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File 347:JAPIO Oct 1976-2002/Apr(Updated 020805)

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Alerts have been run. See HELP NEWS 347 for details.

File 350:Derwent WPIX 1963-2002/UD,UM &UP=200254

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Set Items Description

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Set	Items	Description
S1	243339	POSTAL? OR POSTAGE OR MAIL? OR USPS OR PACKAGE? OR LETTER? ? OR FRANK?? OR FRANKING
S2	504732	COMPUTE OR COMPUTED OR COMPUTATION? OR CALCULAT? OR ALGORI- THM? OR VALUAT?
S3	3336624	STAGE? OR LEVEL? ? OR STEP OR STEPS OR ESHELON? OR GRADE? - OR GRADAT? OR LAYER? OR TIER? OR SEQUENTIAL? OR INCREMENT?
S4	11380040	MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURA- L? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR DO- UBLE OR DUAL OR BINOMIAL? OR PAIR? OR TWIN?
S5	2463171	DYNAMIC? OR ON(1W)FLY OR CHANG? OR SHIFT? OR UNFIXED OR ER- RATIC? OR FLUCTUAT? OR WAVER? OR ASCENDING OR RISING OR UPWAR- D? OR INCREASING OR DESCENDING OR DECREASING OR FALLING OR DO- WNWARD OR DROPPING OR IRREGULAR? OR INCONSISTENT?
S6	1961270	NUMBER? OR DIGIT? ? OR NUMERAL? OR IDENTIFICATION? OR IDEN- TIFIER? OR ID OR INDICATOR? OR LABEL? OR TAG? ? OR TAGG? OR C- ODE? ? OR KEY OR KEYS
S7	689002	SECURITY OR ENCRYPT? OR PROTECT? OR CIPHER OR CYPHER OR CR- YPTO?
S8	59750	S4(1W)(S6 OR BYTE?) OR (8 OR EIGHT)(1W)BYTE?
S9	3095091	UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR RE- VIS? OR EDIT OR EDITING OR ADAPT? OR TRANSFORM? OR ADJUST? OR EDITED OR DEBIT? OR TABULAT? OR BALANC? OR REBALANC? OR RECON- FIGUR? OR RECALCULAT? OR SUPERSED?
S10	141	S1 AND S2 AND (S3(5N)S4)
S11	7	S10 AND (IC=(G07B-017/00 OR G07B-017/02) OR MC=(T01-E04 OR T01-H01B OR T05-C05))
S12	49	S10 AND (S5 OR ((S6(2N)S7)(5N)S8) OR S9)
S13	44	S12 NOT S11
S14	59279	POSTAL? OR POSTAGE OR MAIL? OR USPS OR LETTER? ? OR FRANK?? OR FRANKING
S15	45	S14 AND S2 AND (S3(5N)S4)
S16	26	S15 NOT S12
S17	11987	S14 AND (S5 OR ((S6(2N)S7)(5N)S8) OR S9)
S18	1	S14 AND (S5 AND ((S6(2N)S7)(5N)S8) AND S9)

File 347:JAPIO Oct 1976-2002/Apr(Updated 020805)

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File 348:EUROPEAN PATENTS 1978-2002/Aug W03

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File 349:PCT FULLTEXT 1983-2002/UB=20020822,UT=20020815

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File 350:Derwent WPIX 1963-2002/UD,UM &UP=200254

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Set	Items	Description
S1	17	AU='ROSENAU D':AU='ROSENAU DIRK'
S2	29	AU='WAGNER ANDREAS':AU='WAGNER ANDREAS H'
S3	26	(S1 OR S2) AND (POSTAL OR IMPRINT? OR FRANK?)

3/5/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01433513

Method for the determination of a need to exchange a component and device  
for carrying out the method

Verfahren zur Ermittlung eines Erfordernis zum Austausch eines Bauteils und  
Anordnung zur Durchführung des Verfahrens

Procede pour la determination de la necessite de changer un composant et  
dispositif pour mettre en oeuvre le procede

PATENT ASSIGNEE:

Francotyp-Postalia AG & Co. KG, (3418560), Triftweg 21-26, 16547  
Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Rosenau, Dirk , Schluchseestrasse 8, 13469 Berlin, (DE)

Schlaaff, Torsten, Wernigeroder Strasse 100, 16341 Zepernick, (DE)

PATENT (CC, No, Kind, Date): EP 1213817 A2 020612 (Basic)

APPLICATION (CC, No, Date): EP 2001250425 011203;

PRIORITY (CC, No, Date): DE 10061665 001211

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H02J-007/00

ABSTRACT EP 1213817 A2

Die Erfindung betrifft ein Verfahren zur Ermittlung eines Erfordernis  
zum Austausch eines Bauteils in einem Gerat und eine Anordnung zur  
Durchführung des Verfahrens. Die Messung von einem Parameter, der auf den  
Verbrauch oder die Lebensdauer eines Bauteils einen ungunstigen Einfluss  
nimmt, wird durch die Messung mindestens zweier stellvertretender  
Parameter ersetzt werden, deren Anderungen den aktuellen Zustand des  
Bauteils zu berechnen gestatten. Dabei wird ein Zahlstand so modifiziert,  
das dieser sich einer fur das Bauteil spezifischen Ausfallschwelle naehrt  
und dass eine Warnung vom Gerat ausgegeben wird, bevor das Verbrauchsende  
bzw. Lebensdauerende des Bauteils erreicht wird. Die Erfindung kann  
vorteilhaft fur die indirekte Messung von Parametern von Bauteilen  
eingesetzt werden, die sich in einem Sicherheitsmodul oder in dessen  
unmittelbarer Nachbarschaft befinden, beispielsweise zur Ermittlung eines  
Erfordernis zum Batterietausch fur Sicherheitsmodule.

ABSTRACT WORD COUNT: 129

NOTE:

Figure number on first page: 7

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020612 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200224	520
SPEC A	(German)	200224	6012
Total word count - document A			6532
Total word count - document B			0
Total word count - documents A + B			6532

3/5/2 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01431203

Power supply arrangement for a security part of an apparatus

Anordnung zur Stromversorgung fur einen Sicherheitsbereich eines Gerates

Dispositif d'alimentation electrique d'un secteur de securite d'un appareil

PATENT ASSIGNEE:

Francotyp-Postalia AG & Co. KG, (3418560), Triftweg 21-26, 16547  
Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Rosenau, Dirk , Schluchseestr. 8, 13469 Berlin, (DE)



Schlaaff, Torsten, Wernigeroder Strasse 100, 16341 Zepernick, (DE)  
Turner, Olaf, Leonberger Ring 33, 12349 Berlin, (DE)  
PATENT (CC, No, Kind, Date): EP 1209631 A1 020529 (Basic)  
APPLICATION (CC, No, Date): EP 2001250371 011022;  
PRIORITY (CC, No, Date): DE 20020635 001128  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 1209631 A1

Die Erfindung betrifft eine Anordnung zur Stromversorgung für einen Sicherheitsbereich eines Gerätes, wobei eine erste Batterie (134) mit einem ersten Eingang eines Batterieumschalters (18) im Sicherheitsbereich (10) des Gerätes, eine zweite Batterie (140) in einem Nichtsicherheitsbereich (14) des Gerätegehäuses angeordnet und mit einem zweiten Eingang des Batterieumschalters (18) verbunden ist. Der Batterieumschalter (18) ist mit einem Überwachungsmittel (21) im Sicherheitsbereich des Gerätes gekoppelt. Das Überwachungsmittel (21) besteht vorzugsweise aus einem Analog/Digital-Umsetzer (123) und einem Modulprozessor (120) zur Auswertung der anliegenden Batteriespannungen.

ABSTRACT WORD COUNT: 82

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020529 A1 Published application with search report  
LANGUAGE (Publication,Procedural,Application): German; German; German  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200222	363
SPEC A	(German)	200222	4593
Total word count - document A			4956
Total word count - document B			0
Total word count - documents A + B			4956

3/5/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01351914

Franking machine and method for unlocking a franking machine  
Frankiermaschine und Verfahren zur Freigabe einer Frankiermaschine  
Machine a affranchir et procede de deverrouillage d'une machine a  
affranchir

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Wagner, Andreas, Silberhammerweg 14, 13503 Berlin, (DE)

Zarges, Olav A., Triftweg 61, 13353 Berlin, (DE)

LEGAL REPRESENTATIVE:

Eisenfuhr, Speiser & Partner (100151), Martinistrasse 24, 28195 Bremen,  
(DE)

PATENT (CC, No, Kind, Date): EP 1154381 A1 011114 (Basic)

APPLICATION (CC, No, Date): EP 2001104249 010222;

PRIORITY (CC, No, Date): DE 10023145 000512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 1154381 A1 (Translated)

Franking machine and method for clearing a franking machine has a base unit, a meter for controlling and accounting for franking done and a printer unit.

A printer unit (4) has an ID code. After coupling on a base unit (2) and a meter (3) and before being set in operation, a franking machine (1) is coupled to a data center (6). An ID code is passed to the data

center and a clearing code is passed from the data center to the  
**franking** machine to clear the **franking** machine for performing  
**franking** tasks.

TRANSLATED ABSTRACT WORD COUNT: 94

ABSTRACT EP 1154381 A1

Die Erfindung betrifft ein Verfahren zur Freigabe einer  
**Frankiermaschine** (1) zur **Frankierung** von Postgut mit einer  
Basiseinheit (2), mit einem Meter (3) zur Steuerung und Abrechnung der  
**Frankierung** und mit einer Druckeinheit (4), wobei die Druckeinheit (4)  
einen Identifikationscode aufweist. Um die postalischen Anforderungen zu  
erfüllen, die Druckeinheit ähnlich einem Meter zu behandeln und die  
Nachhaltbarkeit des aktuellen Standortes der Druckeinheit zu  
gewährleisten, auch wenn sich diese ausserhalb des Meters befindet, sowie  
Manipulationen weitgehend zu verhindern, ist erfindungsgemas vorgesehen,  
das die **Frankiermaschine** (1) nach Kopplung von Basiseinheit (2) und  
Meter (3) und vor Inbetriebnahme an ein Datenzentrum (6) angekoppelt  
wird, das der Identifikationscode an das Datenzentrum (6) übertragen wird  
und das ein Freigabecode vom Datenzentrum (6) an die **Frankiermaschine**  
(1) übertragen wird zur Freigabe der **Frankiermaschine** (1) für die  
Erzeugung von **Frankierungen**.

ABSTRACT WORD COUNT: 133

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 011114 A1 Published application with search report

Assignee: 020710 A1 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

Examination: 020717 A1 Date of request for examination: 20020514

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200146	486
SPEC A	(German)	200146	1353
Total word count - document A			1839
Total word count - document B			0
Total word count - documents A + B			1839

3/5/4 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01233463

**Security module and method for monitoring de safety of a system**

**Sicherheitsmodul zur Überwachung der Systemsicherheit und Verfahren**

**Module et methode de securite pour la surveillance de securite d'un systeme**

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Gunther, Stephan, Forstweg 63a, 13456 Berlin, (DE)

**Rosenau, Dirk**, Schluchseestrasse 8, 13469 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 1069492 A2 010117 (Basic)

APPLICATION (CC, No, Date): EP 250184 000609;

PRIORITY (CC, No, Date): DE 19928061 990615

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1069492 A2 (Translated)

Security module for monitoring system security has microprocessor  
connected to other functional units, programmed for overlapping  
processing with intermediate system state validation

The security module has a microprocessor (120) connected to further

functional units (114,116,150) and programmed for overlapping processing with intermediate validation of the system state and signaling the module state to a signaling device (107,108). When dynamic system state changes occur the processor performs overlapping processing of at least part of the memory area used for associated validation.

An Independent claim is also included for a method of monitoring system security.

TRANSLATED ABSTRACT WORD COUNT: 93

ABSTRACT EP 1069492 A2

Die Erfindung betrifft ein Sicherheitsmodul zur Überwachung der Systemsicherheit, mit einem Mikroprozessor (120), der mit weiteren Funktionseinheiten verschaltet ist, wobei der Mikroprozessor (120) zur überlappenden Verarbeitung mit zwischenzeitlich stattfindender Validierung des Systemzustands programmiert ist und zur Signalisierung des Modulzustandes ein Signalmittel (107, 108) ansteuert.

ABSTRACT WORD COUNT: 45

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010117 A2 Published application without search report

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200103	682
SPEC A	(German)	200103	4644
Total word count - document A			5326
Total word count - document B			0
Total word count - documents A + B			5326

3/5/5 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01225614

Security module and method for protecting the postal register against manipulation

Sicherheitsmodul und Verfahren zur Sicherung der Postregister vor Manipulation

Module de securite et procede pour protection du registre postal contre la manipulation

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26, 16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Rosenau, Dirk , Schluchseestr.8, 13469 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 1063619 A1 001227 (Basic)

APPLICATION (CC, No, Date): EP 250185 000609;

PRIORITY (CC, No, Date): DE 19928057 990615

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-017/00

CITED PATENTS (EP A): XP 2137734

CITED REFERENCES (EP A):

US 5734571 A

EP 805421 A

EP 780808 A

US 5805711 A

EP 762338 A

USPS, UNITED POSTAL SERVICE: "Information Based Indicia Program, Postal Security Device Specification" USPS IBIP, XP002137734;

ABSTRACT EP 1063619 A1 (Translated)

Security module for securing a post register against manipulation

especially in a **franking** machine or post processing system

The security module has a program memory (128) and first and second data processors (120,150) with non-volatile memories (114,116). These are operatively connected together to allow the first processor (120) to charge up a postage value credit in the memories and to enable the second processor (150) to carry out the reckoning and store the post register data.

The first processor has an internal non-volatile memory and is programmed by a program in the program memory. The processor is programmed to check the validity of the stored data when the postage is deducted. When the data is valid new postage data is calculated. A code based on information from the data is formed and stored in memory.

Independent claims also cover a security method.

TRANSLATED ABSTRACT WORD COUNT: 142

ABSTRACT EP 1063619 A1

Die Erfindung betrifft ein Sicherheitsmodul mit einer ersten und zweiten Datenverarbeitungseinheit (120, 150), mit nichtfluchtigen Speichern (114, 116) für Postregisterdaten und Verfahren zur Sicherung der Postregisterdaten vor Manipulation. Zu einem ersten Zeitpunkt  $t_i$ ), mindestens nach Briefanlage und nach einer Überprüfung der bisherigen Abrechnungsdaten anhand eines Autorisierungscode  $MAC_{alt}$ )), nimmt die erste Datenverarbeitungseinheit (120) eine Vorausberechnung des neuen Postregistersatzes vor, der sich unter Berücksichtigung des zuvor eingestellten Portowertes ergibt, und bildet einen neuen Autorisierungscode  $MAC_{neu}$ )). Zu einem zweiten Zeitpunkt  $t_{i+1}$ )), nimmt die zweite Datenverarbeitungseinheit (150) eine Abrechnung mit Berechnung des neuen Postregistersatzes vor, der sich unter Berücksichtigung des eingestellten Portowertes ergibt. Abschließend erfolgt eine Speicherung des vorausberechneten neuen Autorisierungscode  $MAC_{neu}$ ) und des von der zweiten Datenverarbeitungseinheit (150) ermittelten neuen Postregistersatzes in den nichtfluchtigen Speichern (114, 116).

ABSTRACT WORD COUNT: 126

NOTE:

Figure number on first page: 7

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001227 A1 Published application with search report  
Examination: 010613 A1 Date of request for examination: 20010417  
Assignee: 020710 A1 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(German)	200052	829
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SPEC A	(German)	200052	5960
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Total word count - document A			6789
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Total word count - document B			0
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Total word count - documents A + B			6789
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3/5/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01223066

Arrangement and method for generating a security imprint

Anordnung und Verfahren zur Generierung eines Sicherheitsabdruckes

Dispositif et procede pour generer un motif destine a la securite

PATENT ASSIGNEE:

Francotyp-Postalia AG & Co., (2120500), Triftweg 21-26, 16547

Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Rosenau, Dirk , Schluchseestrasse 8, 13469 Berlin, (DE)

Wagner, Andreas , Silberhammerweg 14, 13503 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 1061479 A2 001220 (Basic)

EP 1061479 A3 010207

APPLICATION (CC, No, Date): EP 250186 000609;  
PRIORITY (CC, No, Date): DE 19928058 990615  
DESIGNATED STATES: CH; DE; FR; GB; IT; LI  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 1061479 A2 (Translated)

Generation of security marking for **franking** machine using  
microprocessor to calculate security code and make deduction for **franked**  
**postal** item

A data processing unit with a program in memory to starts the  
recalculation of a security code for system data provided that the new  
system data are determined to be valid by a security module and that they  
are required for the security code. The security code is pre-calculated  
according to an algorithm for at least one security marking.

The program causes a deduction to be performed in the further round for  
a **franked postal** item. The security code for the **franked postal**  
item is transmitted to a separate data processing unit. An Independent  
claim is included for a method of generating a security marking.

TRANSLATED ABSTRACT WORD COUNT: 125

ABSTRACT EP 1061479 A2

Die Erfindung betrifft eine Anordnung und Verfahren zur Generierung  
eines Sicherheitsabdruckes, der einen Sicherheitscode, z.B. DAC enthält.  
Bei Anderung von fur den Sicherheitscode benötigten Systemdaten wird eine  
Neuberechnung des Sicherheitscodes, Vorausberechnung (306-311, 316-322)  
des aufsteigenden Registerwertes R2 und eines Sicherheitscodes sowie  
seine Übermittlung (314, 324) an eine separate Datenverarbeitungseinheit  
( $\mu$ P) ausgelöst. Die Anordnung hat einen Sicherheitsmodul (SM), der  
einen Programmspeicher (128), mindestens eine erste  
Datenverarbeitungseinheit (120) und nichtfluchtige Speicher (114, 116)  
einschließt, wobei die erste Datenverarbeitungseinheit (120) zur  
Generierung eines Sicherheitscodes programmiert ist, a) eine  
Neuberechnung des Sicherheitscodes zu starten, sofern die neuen  
Systemdaten vom Sicherheitsmodul als gültig erkannt werden, b) den  
Sicherheitscode nach einem Algorithmus in einer ersten Runde  
vorauszuberechnen und in einer weiteren Runde für mindestens einen  
Sicherheitsabdruck fertig zu berechnen, c) in der weiteren Runde zu  
veranlassen, dass eine Abrechnung für ein zu **frankierendes** Poststück  
durchgeführt wird sowie dass der Sicherheitscode für das zu **frankierende**  
Poststück an die separate Datenverarbeitungseinheit ( $\mu$ P, 91)  
übermittelt wird.

ABSTRACT WORD COUNT: 158

NOTE:

Figure number on first page: 1B

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001220 A2 Published application without search report  
Search Report: 010207 A3 Separate publication of the search report  
Examination: 010801 A2 Date of request for examination: 20010531  
Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200051	775
SPEC A	(German)	200051	5231
Total word count - document A			6006
Total word count - document B			0
Total word count - documents A + B			6006

3/5/7 (Item 7 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01188967

Arrangement for a security module  
Anordnung für ein Sicherheitsmodul  
Systeme pour un module de securite

PATENT ASSIGNEE:

Francotyp-Postalia AG & Co., (2120500), Triftweg 21-26, 16547  
Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Post, Peter, Minzeweg 105a, 12357 Berlin, (DE)

Rosenau, Dirk, Schluchseestrasse 8, 13469 Berlin, (DE)

Schlaaff, Torsten, Wernigeroder Strasse 100, 16341 Zepernick, (DE)

PATENT (CC, No, Kind, Date): EP 1035516 A2 000913 (Basic)

EP 1035516 A3 001220

APPLICATION (CC, No, Date): EP 250055 000221;

PRIORITY (CC, No, Date): DE 19912780 990312

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-017/00; G07B-017/04

ABSTRACT EP 1035516 A2

Die Erfindung betrifft eine Anordnung für ein Sicherheitsmodul, welches über ein Interface (8) auf eine Grundplatte (9) eines postalischen Gerätes, insbesondere einer **Frankiermaschine**, gesteckt wird. Die Batterie ist (134) auswechselbar auf dem Sicherheitsmodul (100) angeordnet und die Spannungsüberwachungseinheit (12) weist Schaltungsmittel für eine rucksetzbare Selbsthaltung auf, wobei die Selbsthaltung ausgelöst wird, wenn die Batteriespannung unter eine vorbestimmte Schwelle sinkt. Der Zustand kann von einem Prozessor (120) über eine Leitung (164) abgefragt werden. Die Rücksetzung der Selbsthaltung ist über die Leitung (135) erst auslösbar, wenn die Batteriespannung über die vorbestimmte Schwelle gestiegen ist.

ABSTRACT WORD COUNT: 93

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000913 A2 Published application without search report

Change: 001220 A2 International Patent Classification changed:  
20001031

Search Report: 001220 A3 Separate publication of the search report

Examination: 010613 A2 Date of request for examination: 20010417

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(German)	200037	474
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SPEC A	(German)	200037	5628
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Total word count - document A	6102
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Total word count - document B	0
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Total word count - documents A + B	6102
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3/5/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01140546

Method for improving the security of franking machines during the credit transfer

Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen bei der Guthabenubertragung

Procede pour ameliorer la securite de machines a affranchir pendant le transfert du credit

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Bischoff, Enno, Binzstrasse 2, 13189 Berlin, (DE)  
Gelfer, George G., 930 Winslowcircle, Glen Ellyn, IL 60137, (US)  
Thiel, Wolfgang, Dr., Bohnsackersteig 8, 13503 Berlin, (DE)

**Wagner, Andreas**, Silberhammerweg 14, 13503 Berlin, (BE)

PATENT (CC, No, Kind, Date): EP 996097 A2 000426 (Basic)

APPLICATION (CC, No, Date): EP 250033 951121;

PRIORITY (CC, No, Date): DE 4446667 941215

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

EXTENDED DESIGNATED STATES: LT; LV; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 717379 (EP 95250286)

INTERNATIONAL PATENT CLASS: G07B-017/04

ABSTRACT EP 996097 A2 (Translated)

Improving security of **franking** machines involves monitoring processing time of program, program part, security-relevant routines in operating mode, and comparing elapsed time with predefined processing time

The method involves distinguishing between manipulative and non-manipulative operation of a **franking** machine using a controller by monitoring the processing time of a program, program part or security-relevant routines in operating mode and comparing the measured elapsed time after completion of processing with a predefined processing time. A decremental or incremental counter is used for time monitoring

TRANSLATED ABSTRACT WORD COUNT: 83

ABSTRACT EP 996097 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von **Frankiermaschinen** bei der Guthabenubertragung, mit mindestens zwei Modi. Im Ergebnis des Überwachens einer autorisierten Handlung an der **Frankiermaschine**, wird in einem Schritt (209) der Systemroutine (200) ein Sicherheits-Flag X gelöscht und bei seinem Fehlen die **Frankiermaschine** in einen ersten Modus überführt (Schritt 409), um sie damit wirksam ausser Betrieb zu setzen. Anderenfalls wird in einem Sondermodus negative Fernwertvorgabe durch Setzen eines Sonder-Flags N eingetreten, wenn die vorbestimmte Bedienhandlung zum Seiteneinstieg in den Sondermodus beim Einschalten vorgenommen wird. Die Kommunikation (300) mit der Datenzentrale läuft unter zeitlicher und zustandsmasiger (Flags) Überwachung durch die Steuereinheit der **Frankiermaschine** bis zur Vollendung der Transaktion ab. Von der Datenzentrale wird das Verhalten des **Frankiermaschinenbenutzers** auf der Basis von während der Kommunikation übermittelten Daten überwacht.

ABSTRACT WORD COUNT: 130

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

Application: 20000426 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200017	381
SPEC A	(German)	200017	15101
Total word count - document A			15482
Total word count - document B			0
Total word count - documents A + B			15482

3/5/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01140545

Method for improving the security of franking machines during the credit

transfer and device for carrying out the method  
Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen bei der  
Guthabenübertragung und Anordnung zur Durchführung des Verfahrens  
Procede pour ameliorer la securite de machines a affranchir pendant le  
transfert du credit et dispositif pour la mise en oeuvre du procede  
PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Bischoff, Enno, Binzstrasse 2, 13189 Berlin, (DE)  
Gelfer, George G., 930 Winslowcircle, Glen Ellyn, IL 60137, (US)  
Thiel, Wolfgang, Dr., Bohnsackersteig 8, 13503 Berlin, (DE)  
Wagner, Andreas, Silberhammerweg 14, 13503 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 996096 A2 000426 (Basic)

APPLICATION (CC, No, Date): EP 250032 951121;

PRIORITY (CC, No, Date): DE 4446667 941215

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

EXTENDED DESIGNATED STATES: LT; LV; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 717379 (EP 95250286)

INTERNATIONAL PATENT CLASS: G07B-017/04

ABSTRACT EP 996096 A2 (Translated)

Improving security of **franking** machines involves performing data center transactions related to transferring credit value if command process corresponding to permitted process, otherwise disabling machine

The method involves establishing a first communications link between an authorized user and a data center, storing a code for a message announcing an authorized transaction for a subsequently transmitted pre-set request; switching on the **franking** machine to perform a predefined process to enter a special mode for a negative remote value pre-set; establishing a second communications connection between the **franking** machine and the data center and entering a pre-set request.

A first transaction is performed after the machine enters communications mode to set a pre-set request according to a residual credit value to be transferred if the command process corresponding to a permitted process, as opposed to an unauthorized operation. The method further involves transferring and storing the security-relevant data or clearing a security flag for an impermissible deviation from the command process and disabling the **franking** machine. An Independent claim is also included for an arrangement for implementing the method.

TRANSLATED ABSTRACT WORD COUNT: 177

ABSTRACT EP 996096 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von **Frankiermaschinen** bei der Guthabenübertragung, mit mindestens zwei Modi. Im Ergebnis des Überwachens einer autorisierten Handlung an der **Frankiermaschine**, wird in einem Schritt (209) der Systemroutine (200) ein Sicherheits-Flag X gelöscht und bei seinem Fehlen die **Frankiermaschine** in einen ersten Modus überführt (Schritt 409), um sie damit wirksam ausser Betrieb zu setzen. Anderenfalls wird in einem Sondermodus negative Fernwertvorgabe durch Setzen eines Sonder-Flags N eingetreten, wenn die vorbestimmte Bedienhandlung zum Seiteneinstieg in den Sondermodus beim Einschalten vorgenommen wird. Die Kommunikation (300) mit der Datenzentrale läuft unter zeitlicher und zustandsmasiger (Flags) Überwachung durch die Steuereinheit der **Frankiermaschine** bis zur Vollendung der Transaktion ab. Von der Datenzentrale wird das Verhalten des **Frankiermaschinenbenutzers** auf der Basis von während der Kommunikation übermittelten Daten überwacht.

ABSTRACT WORD COUNT: 130

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE



Application: 20000426 A2 Published application without search report  
LANGUAGE (Publication,Procedural,Application): German; German; German  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200017	1281
SPEC A	(German)	200017	15125
Total word count - document A			16406
Total word count - document B			0
Total word count - documents A + B			16406

3/5/10 (Item 10 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01106249

Method for improving the security of franking machines  
Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen  
Procede pour l'amelioration de la securite des machines a affranchir  
PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Bischoff, Enno, Binzstrasse 2, 13189 Berlin, (DE)  
Gunther, Stephan, Forstweg 63a, 13465 Berlin, (DE)  
Kubatzki, Ralf, Prenzlauer Allee 191, 10405 Berlin, (DE)  
Kruschinski, Marcus, Prenzlauer Allee 33, 10405 Berlin, (DE)  
Reisinger, Frank, Eisenacher Strasse 47, 16515 Oranienburg, (DE)  
Rieckhoff, Peter Dr., Levetzowstrasse 23a, 10555 Berlin, (DE)  
Freytag, Claus, Galvanistrasse 8, 10587 Berlin, (DE)  
Wagner, Andreas, Silberhammerweg 14, 13503 Berlin, (DE)  
Windel, Harald, Laubacher Strasse 2, 14197 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 969423 A2 000105 (Basic)  
EP 969423 A3 000920

APPLICATION (CC, No, Date): EP 99250341 940909;

PRIORITY (CC, No, Date): DE 4344476 931221

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: LT; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 660269 (EP 94250223)

INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 969423 A2 (Translated)

Security improvement for postal franking machines

The method involves use of a controller based upon a microprocessor that in the normal mode operates to a programme and establishes communication with a central station. Calculation of charges and printing functions are under the control of the processor. The system distinguishes between authorised access to the system for servicing or testing and unauthorised access. Authorised access is signalled to the central station and new codes for access can be assigned.

TRANSLATED ABSTRACT WORD COUNT: 78

ABSTRACT EP 969423 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen, mit einem Mikroprozessor ((mu)P) in einer Steuereinrichtung (6) der Frankiermaschine zur Ausführung von Schritten für eine Start- und Initialisierungsroutine und nachfolgender Systemroutine, in der Programmroutinen abgearbeitet werden. Während der Ausführung einer Programmroutine erfolgt ein Verändern eines Zahlwertes und Vergleich des vorgenannten Zahlwertes mit mindestens einem vorbestimmten Zahlwert nach Ausführung der Programmroutine. In einem einfachsten Fall wird ein Zahlwert durch Inkrementieren mit einem dem ausgeführten Programmteil zugeordneten Wert verändert.

ABSTRACT WORD COUNT: 80

NOTE:

Figure number on first page: 1A

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000920 A2 International Patent Classification changed:  
20000729

Application: 20000105 A2 Published application without search report

Withdrawal: 020102 A2 Date application deemed withdrawn: 20010321

Search Report: 000920 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(German)	200001	262
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SPEC A	(German)	200001	12725
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Total word count - document A	12987
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Total word count - document B	0
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Total word count - documents A + B	12987
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3/5/11 (Item 11 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01106248

Method for improving the security of franking machines

Verfahren und Anordnung zur Verbesserung der Sicherheit von  
Frankiermaschinen

Procede pour l'amelioration de la securite des machines a affranchir

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Bischoff, Enno, Binzstr. 2, 13189 Berlin, (DE)

Gunther, Stephan, Forstweg 63a, 13465 Berlin, (DE)

Kubatzki, Ralf, Prenzlauer Allee 191, 10405 Berlin, (DE)

Kruschinski, Marcus, Prenzlauer Allee 33, 10405 Berlin, (DE)

Reiseinger, Frank, Eisenacher Str. 47, 16515 Oranienburg, (DE)

Rieckhoff, Peter Dr., Levetzowstr. 23a, 10555 Berlin, (DE)

Freytag, Claus, Galvanistr. 8, 10587 Berlin, (DE)

Wagner, Andreas, Silberhammerweg 14, 13503 Berlin, (DE)

Windel, Harald, Laubacher Str. 2, 14197 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 969422 A2 000105 (Basic)

EP 969422 A3 000920

APPLICATION (CC, No, Date): EP 99250340 940909;

PRIORITY (CC, No, Date): DE 4344476 931221

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: LT; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 660269 (EP 94250223)

INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 969422 A2 (Translated)

Security improvement for postal franking machines

The method involves use of a controller based upon a microprocessor that in the normal mode operates to a programme and establishes communication with a central station. Calculation of charges and printing functions are under the control of the processor. The system distinguishes between authorised access to the system for servicing or testing and unauthorised access. Authorised access is signalled to the central station and new codes for access can be assigned.

TRANSLATED ABSTRACT WORD COUNT: 78

ABSTRACT EP 969422 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen, mit einem Unterscheiden zwischen nichtmanipuliertem und manipuliertem Betrieb einer Frankiermaschine. Die Steuereinrichtung (6) enthält einen Prozessor, interne nichtfluchtige Speicher und Taktgeber/Zahlerschaltungen, wobei entsprechende Sicherheitsbits während der Herstellung der Frankiermaschine gesetzt werden, welche das Auslesen der in der Steuereinrichtung gespeicherten Daten und Programme von außen verhindern. Der vorgenannte interne

nichtfluchtige Speicher ist als Programmspeicher für sicherheitsrelevante Routinen bzw. Programme und die vorgenannten Taktgeber/Zahlerschaltungen sind für eine Laufzeitüberwachung der sicherheitsrelevanten Routinen bzw. Programmteile einerseits und für das Verändern eines Zahlwertes entsprechend der durchlaufenen Programmteile und/oder Verzweigungen während der Programmausführung andererseits vorgesehen. Im Prozessor erfolgt eine Auswertung nach Ausführung der jeweiligen Routinen, Programme bzw. Programmteile.

ABSTRACT WORD COUNT: 114

NOTE:

Figure number on first page: 1B

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000920 A2 International Patent Classification changed:  
20000729

Application: 20000105 A2 Published application without search report

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

Search Report: 000920 A3 Separate publication of the search report

Examination: 010321 A2 Date of request for examination: 20010122

LANGUAGE (Publication, Procedural, Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(German)	200001	389
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SPEC A	(German)	200001	13620
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Total word count - document A	14009
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Total word count - document B	0
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Total word count - documents A + B	14009
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3/5/12 (Item 12 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01106247

**Method for improving the security of franking machines**

**Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen**

**Procede pour l'amelioration de la securite des machines a affranchir**

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Bischoff, Enno, Binzstrasse 2, 13189 Berlin, (DE)

Gunther, Stefan, Forstweg 63a, 13465 Berlin, (DE)

Kubatzki, Ralf, Prenzlauer Allee 191, 10405 Berlin, (DE)

Kruschinski, Marcus, Prenzlauer Allee 33, 10405 Berlin, (DE)

Reisinger, Frank, Eisenacher Strasse 47, 16515 Oranienburg, (DE)

Rieckhoff, Peter, Dr., Levetzowstrasse 23a, 10555 Berlin, (DE)

Freytag, Claus, Galvanistrasse 8, 10587 Berlin, (DE)

Wagner, Andreas, Silberhammerweg 14, 13503 Berlin, (DE)

Windel, Harald, Laubacher Strasse 2, 14197 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 969421 A2 000105 (Basic)

EP 969421 A3 000920

APPLICATION (CC, No, Date): EP 99250339 940909;

PRIORITY (CC, No, Date): DE 4344476 931221

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: LT; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 660269 (EP 94250223)

INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 969421 A2 (Translated)

Security improvement for postal franking machines

The method involves use of a controller based upon a microprocessor that in the normal mode operates to a programme and establishes communication with a central station. Calculation of charges and printing functions are under the control of the processor. The system

distinguishes between authorised access to the system for servicing or testing and unauthorised access. Authorised access is signalled to the central station and new codes for access can be assigned.

TRANSLATED ABSTRACT WORD COUNT: 78

ABSTRACT EP 969421 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von **Frankiermaschinen**, mit einem Anmelden einer autorisierten Öffnung der **Frankiermaschine** zum Zwecke einer Inspektion, wobei nach Eintritt in den Kommunikationsmodus (300) bei einer entfernten Datenzentrale ein Öffnungsgesuch gestellt wird und in Erwiderung auf das gestellte Öffnungsgesuch von der Datenzentrale ein neues Codewort Y' zur **Frankiermaschine** übermittelt wird, welches bei seinem Fehlen (Schritt 207) die **Frankiermaschine** in einen ersten Modus (208) überführt und damit wirksam ausser Betrieb setzt. Die **Frankiermaschine** kann in der Systemroutine (200) mittels eines Entscheidungskriteriums (Schritt 202) in einen zweiten Modus (Schritte 203-206) eintreten, um an den Benutzer der **Frankiermaschine** eine Warnung und Aufforderung zur Kommunikation mit der Datenzentrale abzugeben. Von der Datenzentrale wird das Verhalten des **Frankiermaschinenbenutzers** auf der Basis von während der Kommunikation übermittelten Daten überwacht.

ABSTRACT WORD COUNT: 130

NOTE:

Figure number on first page: 2A

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000920 A2 International Patent Classification changed:  
20000729  
Application: 20000105 A2 Published application without search report  
Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE  
Search Report: 000920 A3 Separate publication of the search report  
Examination: 010321 A2 Date of request for examination: 20010122

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200001	3473
SPEC A	(German)	200001	13859
Total word count - document A			17332
Total word count - document B			0
Total word count - documents A + B			17332

3/5/13 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01028577

Method for securely storing variable data

Verfahren zum gesicherten Speichern von veränderlichen Daten

Procede pour stocker en securite des donnees variables

PATENT ASSIGNEE:

Francotyp-Postalia AG & Co., (2120500), Triftweg 21-26, 16547  
Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Wagner, Andreas , Ritterstrasse 42, 10969 Berlin, (DE)

LEGAL REPRESENTATIVE:

Schaumburg, Thoenes & Thurn (100352), Postfach 86 07 48, 81634 Munchen,  
(DE)

PATENT (CC, No, Kind, Date): EP 915435 A2 990512 (Basic)  
EP 915435 A3 000607

APPLICATION (CC, No, Date): EP 99100885 950623;

PRIORITY (CC, No, Date): DE 4422263 940624

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 689170 (EP 95109864)

INTERNATIONAL PATENT CLASS: G07B-017/00; G06F-011/14

ABSTRACT EP 915435 A2

Bei einem Verfahren zum gesicherten Speichern von veränderlichen Daten durch Erzeugen und Speichern zweier übereinstimmender Datensätze, wird mittels eines Zeigers ein erster Datensatz als aktueller unveränderlicher Datensatz bestimmt, dessen Daten für eine Abfrage zur Verfügung stehen. Bei einer Änderung von Daten erfolgt diese Änderung in dem nicht aktuellen zweiten Datensatz, wobei anschließend mittels des Zeigers der zweite Datensatz zum aktuellen Datensatz bestimmt wird und die Daten aus dem aktuellen zweiten Datensatz in den nicht aktuellen ersten Datensatz kopiert werden.

ABSTRACT WORD COUNT: 80

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000607 A2 International Patent Classification changed: 20000418  
Application: 990512 A2 Published application (Alwith Search Report ;A2without Search Report)  
Assignee: 020710 A2 Transfer of rights to new applicant: Francotyp-Postalia AG & Co. KG (3418560) Triftweg 21-26 16547 Birkenwerder DE  
Examination: 000906 A2 Date of request for examination: 20000710  
Search Report: 000607 A3 Separate publication of the search report  
Examination: 010613 A2 Date of dispatch of the first examination report: 20010427

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	9922	165
SPEC A	(German)	9922	2799
Total word count - document A			2964
Total word count - document B			0
Total word count - documents A + B			2964

3/5/14 (Item 14 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00950594

Method and arrangement for generating and checking a security imprint

Verfahren und Anordnung zur Erzeugung und Überprüfung eines Sicherheitsabdruckes

Procede et dispositif pour generer et verifier un motif destine a la securite

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26, 16547 Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Windel, Harald, Laubacherstrasse 2, 14197 Berlin, (DE)

Thiel, Wolfgang, Dr., Bohnsackersteig 8, 13503 Berlin, (DE)

Wagner, Andreas, Ritterstrasse 42, 10969 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 862143 A2 980902 (Basic)  
EP 862143 A3 000913

APPLICATION (CC, No, Date): EP 98250018 980121;

PRIORITY (CC, No, Date): US 798604 970211

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-017/02; G07B-017/00

ABSTRACT EP 862143 A2

A method for verifying data formed by a plurality of successive bits, comprising the steps of:

(a) dividing said data into a plurality of data blocks each containing an equal number of bits; (b) setting an initialization vector equal to zero; (c) conducting an exclusive-OR operation with a first of said data blocks to obtain a first exclusive-OR result; (d) encrypting said first

exclusive-OR result to obtain an output vector; (e) conducting an exclusive-OR operation with a next of said data blocks and said output vector, as a preceding vector, to obtain a next exclusive-OR result; (f) encrypting said next exclusive-OR result to obtain a next output vector; (g) repeating steps (e) and (f) in succession for each data block using said next output vector as said preceding vector to obtain a final output vector containing a plurality of bits; (h) selecting a portion of the bits of said final output vector as a data authentication code for said data; and (i) verifying said data using said data authentication code.

ABSTRACT WORD COUNT: 171

NOTE:

Figure number on first page: 18

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000913 A2 International Patent Classification changed:  
20000727

Application: 980902 A2 Published application (A1with Search Report  
;A2without Search Report)

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

Examination: 010321 A2 Date of request for examination: 20010122

Search Report: 000913 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	516
SPEC A	(English)	9836	26714
Total word count - document A			27230
Total word count - document B			0
Total word count - documents A + B			27230

3/5/15 (Item 15 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00835391

Method and device for automatic modem-type recognition and adaptation  
Verfahren und Anordnung zur automatischen Modem-Typenerkennung und Adaption  
Procede et dispositif pour la reconnaissance automatique du type de modem  
et l'adaption

PATENT ASSIGNEE:

Francotyp-Postalia AG & Co., (2120500), Triftweg 21-26, 16547  
Birkenwerder, (DE), (Applicant designated States: all)

INVENTOR:

Berthold, Arndt, Franz-Jacob-Str. 1, 10369 Berlin, (DE)

Wagner, Andreas, Ritterstr. 42, 10969 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 773517 A2 970514 (Basic)

EP 773517 A3 991027

APPLICATION (CC, No, Date): EP 96250237 961018;

PRIORITY (CC, No, Date): DE 19543075 951113

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

INTERNATIONAL PATENT CLASS: G07B-017/00; G07B-017/02

ABSTRACT EP 773517 A2 (Translated)

Automatic modem type detection system for **franking** machines

The system is for use with **postal franking** machines and has modem specific transmission sequences stored in a program memory (PSP11) or in a modem initialisation memory (MIS). For automatic modem identification the sequence is transmitted and the modem responds with a transmission to the **franking** machine microprocessor (6). The processor executes a comparision between the response and a stored value. The identified type is logged in the modem detect memory (MDS).

TRANSLATED ABSTRACT WORD COUNT: 81

ABSTRACT EP 773517 A2

# Automatic modem type detection system for **franking** machines

The system is for use with **postal franking** machines and has modem specific transmission sequences stored in a program memory (PSP11) or in a modem initialisation memory (MIS). For automatic modem identification the sequence is transmitted and the modem responds with a transmission to the **franking** machine microprocessor (6). The processor executes a comparison between the response and a stored value. The identified type is logged in the modem detect memory (MDS).

ABSTRACT EP 773517 A2

Die Erfindung betrifft ein Verfahren zur automatischen Modem-Typerkennung und Adaption innerhalb eines Kommunikationsmodus, mit einem Mikroprozessor in einer Steuereinheit der **Frankiermaschine**, die programmiert ist, in den Kommunikationsmodus mit einer entfernten Datenzentrale einzutreten, ggf. mit weiteren Eingabeschritten, um in einen MODEM-Vorgabe-Wert-Einstell-Modus einzutreten und die programmiert ist, das nach einem automatischen Aufbau der Kommunikation und nach Ausführung der Kommunikation der Kommunikationsmodus verlassen wird. Zur automatischen Modem-Typerkennung werden die in einem Programmspeicher PSP 11 oder in dem Modem-Initialisierungs-Speicher (MIS) eines nichtfluchtigen Speichers der **Frankiermaschine** gespeicherten modemspezifischen Sendesequenzen in Schritten (3210, 3220, 3230) nacheinander an das zugehörige MODEM ausgesendet und das MODEM seine modemspezifische Antwort (Sendesequenz) an den Mikroprozessor der **Frankiermaschine** zurück gesendet, wobei der Mikroprozessor (6) in Schritten (3211, 3221, 3231) einen Vergleich der Antwortsignale mit den gespeicherten Antwortsignalen zur automatischen Modem-Typerkennung durchführt. Der erkannte MODEM-Typ wird nichtflüchtig im Modem-Detekt-Speicher (MDS) gespeichert. Der Mikroprozessor ist programmiert, einen Schritt (3250) durchzuführen, um die Erkennungsprozedur zu überspringen, wenn eine entsprechende Information über den MODEM-Typ im Modem-Detekt-Speicher (MDS) gespeichert worden ist.

ABSTRACT WORD COUNT: 166

NOTE:

Figure number on first page: 4

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 011219 A2 Date of dispatch of the first examination  
report: 20011107  
Examination: 20000322 A2 Date of request for examination: 20000120  
Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE  
Application: 970514 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Change: 991027 A2 International Patent Classification changed:  
19990909

Search Report: 991027 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	EPAB97	1438
SPEC A	(German)	EPAB97	6666
Total word count - document A			8104
Total word count - document B			0
Total word count - documents A + B			8104

3/5/16 (Item 16 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2002 European Patent Office. All rts. reserv.

00764554

Method for improving the security from franking machines at a credit transfer

Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen bei der Guthabenübertragung

Procede pour l'amelioration de la securite des machines a timbrer pendant le transfert du credit

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Proprietor designated states: all)

INVENTOR:

Bischoff, Enno, Osnabrucker Str.26, D-10589 Berlin, (DE)  
Gelfer, George G., 930 Winslowcircle, Glen Ellyn, IL. 60137, (US)  
Thiel, Wolfgang, Dr., Bohnsackersteig 8, D-13503 Berlin, (DE)  
**Wagner, Andreas**, Ritterstr. 42, D-10969 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 717379 A2 960619 (Basic)  
EP 717379 A3 980415  
EP 717379 B1 001025

APPLICATION (CC, No, Date): EP 95250286 951121;

PRIORITY (CC, No, Date): DE 4446667 941215

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 996096 (EP 250032)

EP 996097 (EP 250033)

INTERNATIONAL PATENT CLASS: G07B-017/04

CITED PATENTS (EP B): CH 678368 A; DE 3627124 A; DE 3712181 A; GB 2233937 A  
; US 4864506 A; US 5237506 A; US 5309363 A

ABSTRACT EP 717379 A2 (Translated)

Fraud prevention system for **franking** machine

The fraud prevention system prevents manipulation of the recorded **postal** charges during transmission of the latter to a remote data centre, using a control device with a microprocessor which verifies the authorisation of the user via a number of given criteria and monitors the data communication between the machine and the datacentre.

Pref. a specific key combination for each **franking** machine is stored at the data centre, which is only known to an authorised person, used for verification of the user before a refund chip card is acceptable.

TRANSLATED ABSTRACT WORD COUNT: 95

ABSTRACT EP 717379 A2

Fraud prevention system for **franking** machine

The fraud prevention system prevents manipulation of the recorded **postal** charges during transmission of the latter to a remote data centre, using a control device with a microprocessor which verifies the authorisation of the user via a number of given criteria and monitors the data communication between the machine and the data centre.

Pref. a specific key combination for each **franking** machine is stored at the data centre, which is only known to an authorised person, used for verification of the user before a refund chip card is acceptable.

ABSTRACT EP 717379 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von **Frankiermaschinen** bei der Guthabenubertragung, mit mindestens zwei Modi. Im Ergebnis des Überwachens einer autorisierten Handlung an der **Frankiermaschine**, wird in einem Schritt (209) der Systemroutine (200) ein Sicherheits-Flag X gelöscht und bei seinem Fehlen die **Frankiermaschine** in einen ersten Modus überführt (Schritt 409), um sie damit wirksam ausser Betrieb zu setzen. Anderenfalls wird in einem Sondermodus negative Fernwertvorgabe durch Setzen eines Sonder-Flags N eingetreten, wenn die vorbestimmte Bedienhandlung zum Seiteneinstieg in den Sondermodus beim Einschalten vorgenommen wird. Die Kommunikation (300) mit der Datenzentrale läuft unter zeitlicher und zustandsmasiger (Flags) Überwachung durch die Steuereinheit der **Frankiermaschine** bis zur Vollendung der Transaktion ab. Von der Datenzentrale wird das Verhalten des **Frankiermaschinenbenutzers** auf der Basis von während der Kommunikation übermittelten Daten überwacht. (siehe Patentzeichnung im original Dokument)

ABSTRACT WORD COUNT: 161

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Grant: 001025 B1 Granted patent

Change: 20000329 A2 Application number of divisional application



(Article 76) changed: 20000210

Oppn None: 011010 B1 No opposition filed: 20010726

Application: 960619 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 20000405 A2 Application number of divisional application  
(Article 76) changed: 20000211

\*Assignee: 960703 A2 Applicant (transfer of rights) (change):  
Francotyp-Postalia Aktiengesellschaft & Co.  
(915391) Triftweg 21-26 16547 Birkenwerder (DE)  
(applicant designated states:  
CH;DE;FR;GB;IT;LI)

\*Assignee: 960703 A2 Previous applicant in case of transfer of  
rights (change): Francotyp-Postalia GmbH  
(915392) Triftweg 21-26 D-16547 Birkenwerder  
(DE) (applicant designated states:  
CH;DE;FR;GB;IT;LI)

\*Assignee: 960703 A2 Applicant (name, address) (change)

Search Report: 980415 A3 Separate publication of the European or  
International search report

Examination: 980805 A2 Date of filing of request for examination:  
980609

Examination: 981021 A2 Date of despatch of first examination report:  
980908

LANGUAGE (Publication,Procedural,Application): German; German; German

# FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200043	2077
CLAIMS B	(German)	200043	1713
CLAIMS B	(French)	200043	2169
SPEC B	(German)	200043	15217
Total word count - document A			0
Total word count - document B			21176
Total word count - documents A + B			21176

3/5/17 (Item 17 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00730236

Method for adapting the datafile between an electronic franking machine  
and a data center

Verfahren zum Abstimmen des Datenbestandes zwischen einer elektronischen  
Frankiermaschine und einem Datenzentrum

Procede d'adaption du fichier de donnees entre une machine a affranchir et  
un centre de donnees

## PATENT ASSIGNEE:

Francotyp-Postalia GmbH, (915392), Triftweg 21-26, D-16547 Birkenwerder,  
(DE), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;IT;LI;SE)

## INVENTOR:

Wagner, Andreas , Ritterstrasse 42, D-10969 Berlin, (DE)

## LEGAL REPRESENTATIVE:

Schaumburg, Thoenes & Thurn (100355), Postfach 86 07 48, D-81634 Munchen,  
(DE)

PATENT (CC, No, Kind, Date): EP 689170 A2 951227 (Basic)  
EP 689170 A3 961227

APPLICATION (CC, No, Date): EP 95109864 950623;

PRIORITY (CC, No, Date): DE 4422263 940624

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; SE

INTERNATIONAL PATENT CLASS: G07B-017/02

## ABSTRACT EP 689170 A2 (Translated)

Matching data contents of electronic **franking** machine and data centre  
A value changing mode is set up in the **franking** machine (12). In a  
first transaction between the **franking** machine and data centre (18)  
contg. the exchange of code numbers a specification value entered into  
the **franking** machine is passed to the data centre and stored in  
specification value memories (28,45) in the **franking** machine and in the

data centre.

A recharging mode is then set up. In a second transaction involving an exchange of code numbers between the **franking** machine and data centre the stored specification values are added to the values stored in a balance memory (26) in the **franking** machine and a deduction memory (46) in the data centre.

TRANSLATED ABSTRACT WORD COUNT: 122

ABSTRACT EP 689170 A2

Matching data contents of electronic **franking** machine and data centre

A value changing mode is set up in the **franking** machine (12). In a first transaction between the **franking** machine and data centre (18) contg. the exchange of code numbers a specification value entered into the **franking** machine is passed to the data centre and stored in specification value memories (28,45) in the **franking** machine and in the data centre.

A recharging mode is then set up. In a second transaction involving an exchange of code numbers between the **franking** machine and data centre the stored specification values are added to the values stored in a balance memory (26) in the **franking** machine and a deduction memory (46) in the data centre.

ABSTRACT EP 689170 A3

Das Abstimmen des Datenbestandes in der einen Guthabenspeicher (26) für ein Portoguthaben umfassenden Datenverarbeitungseinrichtung (22) einer elektronischen **Frankiermaschine** (12) und der einen Abrechnungsspeicher (46) für die **Frankiermaschine** umfassenden Abrechnungseinrichtung (42) eines Datenzentrums (18), erfolgt in der Weise, das an der **Frankiermaschine** (12) ein Wertänderungsmodus eingestellt wird, das in einer ersten den Austausch von Codezahlen umfassenden Transaktion zwischen der **Frankiermaschine** (12) und dem Datenzentrum (18) ein in die **Frankiermaschine** (12) eingegebener Vorgabewert an das Datenzentrum (18) übermittelt und in einem jeweiligen Vorgabewertspeicher (28; 45) der **Frankiermaschine** (12) und des Datenzentrums (18) gespeichert wird, das ein Nachlademodus eingestellt wird und das in einer zweiten den Austausch von Codezahlen zwischen der **Frankiermaschine** (12) und dem Datenzentrum (18) umfassenden Transaktion der im jeweiligen Vorgabewertspeicher (28) gespeicherte Vorgabewert zu dem im Guthabenspeicher (26) der **Frankiermaschine** (12) und dem im Abrechnungsspeicher (46) des Datenzentrums gespeicherten Wert addiert wird. (siehe Patentzeichnung im original Dokument)

ABSTRACT WORD COUNT: 174

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: 020710 A2 Transfer of rights to new applicant:  
Francotyp-Postalia AG & Co. KG (3418560)  
Triftweg 21-26 16547 Birkenwerder DE

Application: 951227 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 960508 A2 Designated Contracting States (change)

\*Assignee: 960814 A2 Applicant (transfer of rights) (change):  
Francotyp-Postalia Aktiengesellschaft & Co.  
(915391) Triftweg 21-26 16547 Birkenwerder (DE)  
(applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;IT;LI;SE)

\*Assignee: 960814 A2 Previous applicant in case of transfer of  
rights (change): Francotyp-Postalia GmbH  
(915392) Triftweg 21-26 D-16547 Birkenwerder  
(DE) (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;IT;LI;SE)

Search Report: 961227 A3 Separate publication of the European or  
International search report

Examination: 970326 A2 Date of filing of request for examination:  
970123

Examination: 981021 A2 Date of despatch of first examination report:  
980908

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	EPAB96	1422
SPEC A	(German)	EPAB96	4700
Total word count - document A			6122
Total word count - document B			0
Total word count - documents A + B			6122

3/5/18 (Item 18 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00691386

Method for enhancing franking machines security

Verfahren zur Verbesserung der Sicherheit von Frankiermaschinen

Procede pour ameliorer la securite de machines a affrauchir

PATENT ASSIGNEE:

Francotyp-Postalia Aktiengesellschaft & Co., (915391), Triftweg 21-26,  
16547 Birkenwerder, (DE), (Proprietor designated states: all)

INVENTOR:

Wagner, Andreas , Admiralstrasse 15, D-10999 Berlin, (DE)

Windel, Harald, Laubacherstrasse 2, D-14197 Berlin, (DE)

Reisinger, Frank , Schonwalderstrasse 2, D-13347 Berlin, (DE)

Freytag, Claus, Galvanistrasse 8, D-10587 Berlin, (DE)

Bischoff, Enno, Osnabruckerstrasse 26, D-10589 Berlin, (DE)

Kubatzki, Ralf, Prenzlauer Promenade 23, D-13086 Berlin, (DE)

Rieckhoff, Peter, Dr., Levetzowstrasse 23a, D-10555 Berlin, (DE)

Hansel, Marcus, Stresemannstrasse 74, D-10963 Berlin, (DE)

Gunther, Stephan, Forstweg 63a, D-13465 Berlin, (DE)

PATENT (CC, No, Kind, Date): EP 660269 A2 950628 (Basic)

EP 660269 A3 950906

EP 660269 B1 001025

APPLICATION (CC, No, Date): EP 94250223 940909;

PRIORITY (CC, No, Date): DE 4344476 931221

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 969421 (EP 99250339)

EP 969423 (EP 99250341)

EP 969422 (EP 99250340)

INTERNATIONAL PATENT CLASS: G07B-017/04

CITED PATENTS (EP B): EP 194660 A; GB 2233937 A; US 4347506 A; US 4549281 A  
; US 4812965 A

ABSTRACT EP 660269 A2

Die Erfindung betrifft ein Verfahren zur Verbesserung der Sicherheit von **Frankiermaschinen**, mit einem Anmelden einer autorisierten Öffnung der **Frankiermaschine** zum Zwecke einer Inspektion, wobei nach Eintritt in den Kommunikationsmodus (300) bei einer entfernten Datenzentrale ein Öffnungsgesuch gestellt wird und in Erwiderung auf das gestellte Öffnungsgesuch von der Datenzentrale ein neues Codewort Y' zur **Frankiermaschine** übermittelt wird, welches bei seinem Fehlen (Schritt 207) die **Frankiermaschine** in einen ersten Modus (208) überführt und damit wirksam ausser Betrieb setzt. Die **Frankiermaschine** kann in der Systemroutine (200) mittels eines Entscheidungskriteriums (Schritt 202) in einen zweiten Modus (Schritte 203-206) eintreten, um an den Benutzer der **Frankiermaschine** eine Warnung und Aufforderung zur Kommunikation mit der Datenzentrale abzugeben. Von der Datenzentrale wird das Verhalten des **Frankiermaschinenbenutzers** auf der Basis von während der Kommunikation übermittelten Daten überwacht. (siehe Patentzeichnung im original Dokument)

ABSTRACT WORD COUNT: 136

NOTE:

Figure number on first page: 2A

LEGAL STATUS (Type, Pub Date, Kind, Text):

Grant: 001025 B1 Granted patent

Application: 950628 A2 Published application (Alwith Search Report

;A2without Search Report)

Oppn None: 011010 B1 No opposition filed: 20010726

Search Report: 950906 A3 Separate publication of the European or International search report

Examination: 951213 A2 Date of filing of request for examination: 951012

\*Assignee: 960703 A2 Applicant (transfer of rights) (change): Francotyp-Postalia Aktiengesellschaft & Co. (915391) Triftweg 21-26 16547 Birkenwerder (DE) (applicant designated states: CH;DE;FR;GB;IT;LI)

\*Assignee: 960703 A2 Previous applicant in case of transfer of rights (change): Francotyp-Postalia GmbH (915392) Triftweg 21-26 D-16547 Birkenwerder (DE) (applicant designated states: CH;DE;FR;GB;IT;LI)

\*Assignee: 960703 A2 Applicant (name, address) (change)

Examination: 981021 A2 Date of despatch of first examination report: 980908

Change: 991124 A2 Application number of divisional application (Article 76) changed: 19991006

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200043	500
CLAIMS B	(German)	200043	414
CLAIMS B	(French)	200043	555
SPEC B	(German)	200043	12707
Total word count - document A			0
Total word count - document B			14176
Total word count - documents A + B			14176

3/5/19 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013852615 \*\*Image available\*\*

WPI Acc No: 2001-336828/200136

Related WPI Acc No: 2000-673958; 2000-673959

XRPX Acc No: N01-243195

**Security module for securing a post register against manipulation especially in a franking machine or post processing system**

Patent Assignee: FRANCOTYP-POSTALIA & CO AG (FRAN-N)

Inventor: ROSENAU D

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1063619	A1	20001227	EP 2000250185	A	20000609	200136 B

Priority Applications (No Type Date): DE 1028057 A 19990615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1063619	A1	G	18	G07B-017/00	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1063619 A1

NOVELTY - The security module has a program memory (128) and first and second data processors (120,150) with non-volatile memories (114,116). These are operatively connected together to allow the first processor (120) to charge up a postage value credit in the memories and to enable the second processor (150) to carry out the reckoning and store the post register data.

DETAILED DESCRIPTION - The first processor has an internal non-volatile memory and is programmed by a program in the program memory. The processor is programmed to check the validity of the stored data when the postage is deducted. When the data is valid new postage

data is calculated. A code based on information from the data is formed and stored in memory. INDEPENDENT CLAIMS also cover a security method.

USE - Especially for use in a **franking** machine or post processing system.

ADVANTAGE - The security of the system when deducting postage from stored credit is increased.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the system.

pp; 18 DwgNo 2/8

Title Terms: SECURE; MODULE; SECURE; POST; REGISTER; MANIPULATE; **FRANKING**; MACHINE; POST; PROCESS; SYSTEM

Derwent Class: T01; T05

International Patent Class (Main): G07B-017/00

File Segment: EPI

3/5/20 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013790556 \*\*Image available\*\*

WPI Acc No: 2001-274767/200129

XRPX Acc No: N01-196332

**Power supply to equipment is housed in secured unit with back up supply external to this**

Patent Assignee: FRANCOTYP-POSTALIA & CO AG (FRAN-N); FRANCOTYP-POSTALIA & CO AG KG (FRAN-N)

Inventor: **ROSENAU D** ; SCHLAAFF T; TURNER O

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 20020635	U1	20010315	DE 2000U2020635	U	20001128	200129 B
US 20020073349	A1	20020613	US 20017899	A	20011105	200243
EP 1209631	A1	20020529	EP 2001250371	A	20011022	200243

Priority Applications (No Type Date): DE 2000U2020635 U 20001128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 20020635	U1		23	H02J-009/06	
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US 20020073349	A1			G06F-001/26	
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EP 1209631	A1	G		G07B-017/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): DE 20020635 U1

NOVELTY - The power supply for an electrical system has a main battery (134) and a switching stage (18) that are housed within a secured area (10). A back up battery (140) is housed in a non secured area (14) . Within the secured housing is a watchdog circuit that monitors the state of the supply and initiates switch over if necessary.

USE - **Postal franking** systems

ADVANTAGE - Prevents unauthorized access

DESCRIPTION OF DRAWING(S) - Block diagram of supply

Batteries (134,140)

Switching stage (18)

pp; 23 DwgNo 1/8

Title Terms: POWER; SUPPLY; EQUIPMENT; HOUSE; SECURE; UNIT; BACK; UP; SUPPLY; EXTERNAL

Derwent Class: T05; U24; X16

International Patent Class (Main): G06F-001/26; G07B-017/00; H02J-009/06

International Patent Class (Additional): G06F-001/28; G06F-001/30;

G06F-011/30

File Segment: EPI

3/5/21 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013655001 \*\*Image available\*\*

WPI Acc No: 2001-139213/200115

XRPX Acc No: N01-101371

**Security module for monitoring system security has microprocessor connected to other functional units, programmed for overlapping processing with intermediate system state validation**

Patent Assignee: FRANCOTYP-POSTALIA & CO AG (FRAN-N)

Inventor: GUENTHER S; ROSENAU D

Number of Countries: 026 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19928061	A1	20001228	DE 1028061	A	19990615	200115 B
EP 1069492	A2	20010117	EP 2000250184	A	20000609	200115
US 6351220	B1	20020226	US 2000594002	A	20000614	200220

Priority Applications (No Type Date): DE 1028061 A 19990615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19928061	A1		13	G06F-001/00	
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EP 1069492	A2	G		G06F-001/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

US 6351220	B1			G08B-003/00	
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Abstract (Basic): DE 19928061 A1

NOVELTY - The security module has a microprocessor (120) connected to further functional units (114,116,150) and programmed for overlapping processing with intermediate validation of the system state and signaling the module state to a signaling device (107,108). When dynamic system state changes occur the processor performs overlapping processing of at least part of the memory area used for associated validation.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of monitoring system security.

USE - For monitoring system security, especially. in a **franking** machine, post processing machine or similar.

ADVANTAGE - Enables maximum security to be achieved for defined areas and functions of a machine to be achieved at minimal cost.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram representation of a security module

microprocessor (120)

functional units (114,116,150)

signaling device (107,108)

pp; 13 DwgNo 2/10

Title Terms: SECURE; MODULE; MONITOR; SYSTEM; SECURE; MICROPROCESSOR;

CONNECT; FUNCTION; UNIT; PROGRAM; OVERLAP; PROCESS; INTERMEDIATE; SYSTEM; STATE; VALID

Derwent Class: T01; T05

International Patent Class (Main): G06F-001/00; G08B-003/00

International Patent Class (Additional): G06F-012/14; G07B-017/04

File Segment: EPI

3/5/22 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013641291 \*\*Image available\*\*

WPI Acc No: 2001-125499/200114

XRPX Acc No: N01-092442

**Generation of security marking for franking machine using microprocessor to calculate security code and make deduction for franked postal item**

Patent Assignee: FRANCOTYP-POSTALIA & CO AG (FRAN-N)

Inventor: ROSENAU D ; WAGNER A

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1061479	A2	20001220	EP 2000250186	A	20000609	200114	B
DE 19928058	A1	20001228	DE 1028058	A	19990615	200114	

Priority Applications (No Type Date): DE 1028058 A 19990615

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1061479	A2	G	17	G07B-017/00
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

DE 19928058	A1			G07B-017/02
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Abstract (Basic): EP 1061479 A2

NOVELTY - The method involves providing a data processing unit which is programmed by a program in a program memory to start the recalculation of a security code for system data provided that the new system data are determined to be valid by a security module and that they are required for the security code. The security code is pre-calculated according to an algorithm in a first round, and in a further round, the finished security code is calculated for at least one security marking. The program causes a deduction to be performed in the further round for a **franked postal** item. The security code for the **franked postal** item is transmitted to a separate data processing unit.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of generating a security marking.

USE - For generating a data authorization code (DAC) and marking **postal** items in a **franking** machine.

ADVANTAGE - Increases the throughput when **franking**.

DESCRIPTION OF DRAWING(S) - The drawing shows a time/control diagram for a **franking** machine.

pp; 17 DwgNo 1b/6

Title Terms: GENERATE; SECURE; MARK; **FRANKING** ; MACHINE; MICROPROCESSOR; CALCULATE; SECURE; CODE; DEDUCT; **FRANKING** ; **POSTAL** ; ITEM

Derwent Class: T01; T05

International Patent Class (Main): G07B-017/00; G07B-017/02

File Segment: EPI

3/5/23 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013502018 \*\*Image available\*\*

WPI Acc No: 2000-673959/200066

Related WPI Acc No: 2000-673958; 2001-336828

XRPX Acc No: N00-499641

**Protection method for security module in franking machine etc. erases sensitive data when improper use or exchange of security module is detected**

Patent Assignee: FRANCOTYP-POSTALIA & CO AG (FRAN-N)

Inventor: POST P; **ROSENAU D** ; SCHLAAFF T; ROSENEAU D

Number of Countries: 028 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1035518	A2	20000913	EP 2000250065	A	20000225	200066	B
AU 200020805	A	20000914	AU 200020805	A	20000310	200066	
DE 19928057	A1	20001228	DE 1028057	A	19990615	200102	
CN 1271145	A	20001025	CN 2000103871	A	20000310	200104	
US 6362724	B1	20020326	US 2000594003	A	20000614	200226	

Priority Applications (No Type Date): DE 1028057 A 19990615; DE 1012781 A 19990312

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1035518	A2	G	22	G07B-017/04
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI  
AU 200020805 A G07B-017/04  
DE 19928057 A1 G07B-017/04  
CN 1271145 A G07B-017/04  
US 6362724 B1 G06F-007/04

Abstract (Basic): EP 1035518 A2

NOVELTY - The method involves monitoring the state of the use or exchange of the security module using at least two functional units, such as a microprocessor (120), a monitoring unit (12) and a detection unit (13). The state is signaled using the microprocessor. Sensitive data are erased by the monitoring unit when improper use or exchange is detected. The monitoring unit may monitor the correct installation or state of a battery (134). The detection unit may block the functionality on the basis of an exchange of the security module or a destruction condition.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an apparatus for performing the method.

USE - For a **postal** processing machine, computer etc.

ADVANTAGE - Ensures protection against unauthorized manipulation of an exchangeable security module.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram and interface

Monitoring unit (12)

Detection unit (13)

Microprocessor (120)

Battery (134)

pp; 22 DwgNo 1/13

Title Terms: PROTECT; METHOD; SECURE; MODULE; **FRANKING** ; MACHINE; ERASE;  
SENSITIVE; DATA; IMPROPER; EXCHANGE; SECURE; MODULE; DETECT

Derwent Class: T01; T05

International Patent Class (Main): G06F-007/04; G07B-017/04

International Patent Class (Additional): G06F-012/14

File Segment: EPI

3/5/24 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013502017 \*\*Image available\*\*

WPI Acc No: 2000-673958/200066

Related WPI Acc No: 2000-673959

XRPX Acc No: N00-499640

**Protection method for security module for franking machine by erasing sensitive data after improper use or exchange**

Patent Assignee: FRANOTYP-POSTALIA & CO AG (FRAN-N); FRANOTYP-POSTALIA GMBH & CO AG (FRAN-N)

Inventor: POST P; **ROSENAU D** ; SCHLAFF T; SCHLAFF T

Number of Countries: 027 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1035517	A2	20000913	EP 2000250064	A	20000225	200066 B
AU 200020811	A	20000914	AU 200020811	A	20000310	200066
DE 19912781	A1	20001123	DE 1012781	A	19990312	200101
CN 1271145	A	20001025	CN 2000103871	A	20000310	200104
CN 1276579	A	20001213	CN 2000103874	A	20000310	200118

Priority Applications (No Type Date): DE 1012781 A 19990312; DE 1028057 A 19990615

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1035517 A2 G 17 G07B-017/04

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

AU 200020811 A G07B-017/04

DE 19912781 A1 G11C-005/14



CN 1271145 A G07B-017/04  
CN 1276579 A G07B-017/04

Abstract (Basic): EP 1035517 A2

NOVELTY - The method involves monitoring the installation of the module using a microprocessor (120) , a monitoring unit (12) and a detection unit (13). The monitoring unit erases sensitive data after improper use or exchange. The functionality of the security module is locked using the exchange of the module. The previously erased sensitive data are re-initialized by the microprocessor after appropriate use or exchange of the security module. The module is restarted after restoring the functional units.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an apparatus for carrying out the method.

USE - For postal processing machines or computers.

ADVANTAGE - Protects against unauthorized manipulation for an exchangeable security module.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram and interface.

Monitoring unit (12)

Detection unit (13)

Microprocessor (120)

pp; 17 DwgNo 1/8

Title Terms: PROTECT; METHOD; SECURE; MODULE; **FRANKING** ; MACHINE; ERASE; SENSITIVE; DATA; AFTER; IMPROPER; EXCHANGE

Derwent Class: T01; T05

International Patent Class (Main): G07B-017/04; G11C-005/14

International Patent Class (Additional): G06F-012/14; H04L-009/00

File Segment: EPI

3/5/25 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013502016 \*\*Image available\*\*

WPI Acc No: 2000-673957/200066

XRPX Acc No: N00-499639

**Security module for postal machine e.g. franking machine has exchangeable battery and voltage monitoring unit with self-maintaining circuitry**

Patent Assignee: FRANCOTYP-POSTALIA & CO AG (FRAN-N)

Inventor: POST P; **ROSENAU D** ; SCHLAAFF T

Number of Countries: 027 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1035516	A2	20000913	EP 2000250055	A	20000221	200066 B
AU 200020808	A	20000914	AU 200020808	A	20000310	200066
DE 19912780	A1	20000914	DE 1012780	A	19990312	200066
CN 1267040	A	20000920	CN 2000103867	A	20000310	200101

Priority Applications (No Type Date): DE 1012780 A 19990312

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1035516	A2	G	15	G07B-017/04	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

AU 200020808	A		H02J-009/06
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DE 19912780	A1		G11C-005/14
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CN 1267040	A		G07B-017/04
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Abstract (Basic): EP 1035516 A2

NOVELTY - The module has a microprocessor (120) and a battery (134). A power supply includes a voltage switch (180) connected to a voltage monitoring unit (12) that outputs an operating voltage to a memory (122,124). The battery is exchangeable. The voltage monitoring unit includes resettable self-maintaining circuitry. The self-maintenance is triggered if the battery voltage falls below a

threshold.

USE - For **postal** processing machines or computers.

ADVANTAGE - Provides security against unauthorized manipulation, with the use of an exchangeable battery.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram and interface for the security module.

Voltage monitoring unit (12)

Battery (134)

pp; 15 DwgNo 1/8

Title Terms: SECURE; MODULE; **POSTAL** ; MACHINE; **FRANKING** ; MACHINE;  
EXCHANGE; BATTERY; VOLTAGE; MONITOR; UNIT; SELF; MAINTAIN; CIRCUIT

Derwent Class: T01; T05

International Patent Class (Main): G07B-017/04; G11C-005/14; H02J-009/06

International Patent Class (Additional): G06F-001/30; G07B-017/00

File Segment: EPI

3/5/26 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012566790 \*\*Image available\*\*

WPI Acc No: 1999-372896/199932

XRPX Acc No: N99-278276

**Security module and signaling device for franking machines**

Patent Assignee: FRANCO-TYP-POSTALIA & CO AG (FRAN-N)

Inventor: POST P; **ROSENAU D** ; SCHLAAFF T; WAGNER A

Number of Countries: 026 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29905219	U1	19990617	DE 99U2005219	U	19990312	199932 B
EP 1035513	A2	20000913	EP 2000250057	A	20000221	200046
CN 1267041	A	20000920	CN 2000103873	A	20000310	200063

Priority Applications (No Type Date): DE 99U2005219 U 19990312

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 29905219	U1		16	G07B-017/04	
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EP 1035513	A2	G		G07B-017/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

CN 1267041	A			G07B-017/04	
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Abstract (Basic): DE 29905219 U1

NOVELTY - Sealing compound (105) encases at least part of the printed circuit board (106), which surrounds electrically connected function units. For signaling of the module condition, an optical or acoustic signal device (107,108) is connected to a function unit connected to the printed circuit board (106) which is surrounded by sealing material.

USE - A security module and signaling unit for a **postal franking** machine, or computer with post processing functionality. The signaling unit indicates correct functioning of the security unit upon switching on of the **franking** machine.

ADVANTAGE - Use of a resin type sealant around the printed circuit board prevent access to the security unit processor and its sensitive data. The security unit has its own independent power supply (battery), that can still be accessed around the sealing compound.

DESCRIPTION OF DRAWING(S) - Elevation and plan view of the security device.

sealing compound (105)

printed circuit board (106)

signal devices (107,108)

battery. (134)

pp; 16 DwgNo 3,4/5

Title Terms: SECURE; MODULE; DEVICE; **FRANKING** ; MACHINE

Derwent Class: T05; V04; W05

International Patent Class (Main): G07B-017/00; G07B-017/04

11/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010401018 \*\*Image available\*\*  
WPI Acc No: 1995-302331/199539  
XRPX Acc No: N95-229554

**Transaction charge rating adjustment application for mail carrier,  
shipping system - allowing charges to be made in various levels of  
discounts and surcharges without disturbing other levels**

Patent Assignee: PITNEY BOWES INC (PITB )  
Inventor: DLUGOS D F  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5444630	A	19950822	US 93175012	A	19931229	199539 B

Priority Applications (No Type Date): US 93175012 A 19931229

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5444630	A		9	G07B-017/02	

Abstract (Basic): US 5444630 A

The method involves provision of an apparatus for **calculating** the charge. The apparatus stores first database for determining base rates for transactions, and being partitioned into cells in accordance with first parameters characterizing the transaction. A second database includes a number of sets of transform data for transforming the base rates into a second level rates. Each set of transform data is partitioned into cells in accordance with the first characterizing parameters.

The two characterizing parameters are input for the selected transaction to the apparatus. One of said sets of transform data is selected in accordance with the second characterizing parameters.

The apparatus selects a first cell in the first database and a second cell in the selected set of transform data in accordance with the first characterizing parameters. A base rate is **calculated** for the selected transaction in accordance with data from the first cell. A second level rate is **calculated** for the selected transaction in accordance with the base rate and transform data from the second cell. Charges are **calculated** for the selected transaction in accordance with a last **calculated** rate.

ADVANTAGE - Overcomes problems associated with changing entire discount chart at one time.

Dwg.6/6

Title Terms: TRANSACTION; CHARGE; RATING; ADJUST; APPLY; **MAIL** ; CARRY;  
SHIPPING; SYSTEM; ALLOW; CHARGE; MADE; VARIOUS; LEVEL; DISCOUNT; DISTURB;  
LEVEL

Derwent Class: T01; T05

International Patent Class (Main): G07B-017/02

File Segment: EPI

11/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008390204 \*\*Image available\*\*  
WPI Acc No: 1990-277205/199037  
XRPX Acc No: N90-214211

**Postage franking machine - has print head setting mechanism that  
responds to entered weight via look up table**

Patent Assignee: FRAMA AG (FRAM-N)  
Inventor: HAUG W  
Number of Countries: 011 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 387202	A	19900912	EP 90810165	A	19900305	199037 B

CH 678366 A 19910830 199138  
US 5191533 A 19930302 US 90490040 A 19900307 199311

Priority Applications (No Type Date): CH 89853 A 19890308

Cited Patents: A3...9132; EP 107187; EP 155671; EP 2166389; NoSR.Pub; US  
4097923; US 4180856; US 4495581; US 4520725

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 387202 A

Designated States (Regional): AT BE CH DE FR GB IT LI NL SE

US 5191533 A 23 G07B-017/02

Abstract (Basic): EP 387202 A

A **postage franking** machine has a number of print discs ( 2 )  
that are each **incremented** by a toothed rack that engages a pinion.  
Linear movement of the racks is provided by actuator bars (7) that are  
pressed against a spring (15) by electromagnetically operated drive  
pins (4). Latch elements (12-12'') are selectively engaged to hold the  
unit in the correct positions under control of a CPU.

Resetting to the mill position takes place when a reset key on a  
console is operated. This results in retractor of the latch elements  
and the spring return operates (15). Optical sensors determine the  
state of the latches.

ADVANTAGE - Allows operation from entered weight of article. (24pp  
Dwg.No.1/15

Title Terms: **POSTAGE ; FRANKING ; MACHINE; PRINT; HEAD; SET; MECHANISM;**  
**RESPOND; ENTER; WEIGHT; UP; TABLE**

Derwent Class: T05

International Patent Class (Main): **G07B-017/02**

File Segment: EPI

**11/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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007820330

WPI Acc No: 1989-085442/198911

Related WPI Acc No: 1988-013915; 1992-123044

XRPX Acc No: N89-065212

**Postage stamp with detachable machine-readable labels - has labels for  
source and destination postcode which can be read by automatic sorting  
machine**

Patent Assignee: MIKHAIL A G (MIKH-I); AMIR G M (AMIR-I)

Inventor: MIKHAIL A G

Number of Countries: 004 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8901831	A	19890309	WO 88US2705	A	19880811	198911 B
US 4876000	A	19891024	US 8790839	A	19870828	199001
US 4978145	A	19901218	US 89346233	A	19890501	199102
JP 3503021	W	19910711	JP 88506881	A	19880811	199134
EP 477169	A	19920401	EP 88906801	A	19880811	199214
EP 477169	B1	19941228	EP 88906801	A	19880811	199505
			WO 88US2705	A	19880811	
DE 3852654	G	19950209	DE 3852654	A	19880811	199511
			EP 88906801	A	19880811	
			WO 88US2705	A	19880811	
RU 2054338	C1	19960220	SU 4830746	A	19880811	199646
			WO 88US2704	A	19880811	

Priority Applications (No Type Date): US 8790839 A 19870828; US 86819298 A  
19860116; US 89346233 A 19890501

Cited Patents: GB 2097330; US 3774758; US 3995741; US 4488610; US 4649266;  
US 4715622; DE 1807056; DE 3017088; US 4201339

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8901831 A E 20

US 4876000 A 9  
 EP 477169 A 20  
 EP 477169 B1 E 15 B07C-003/18 Based on patent WO 8901831  
 DE 3852654 G B07C-003/18 Based on patent EP 477169  
 Based on patent WO 8901831  
 RU 2054338 C1 9 B07C-005/342

Abstract (Basic): WO 8901831 A

Along with the adhesive-backed picture are two detachable labels which can be marked with the postcodes of the source and of the destination, using a stencil, and then stuck to the **letter** or parcel. The source and destination postcodes are read from the labels and the **postal** charge is **calculated**.

This value is checked against the machine-readable value on the conventional **postage** stamp. If there is more **postage** due, the packet is diverted for special attention, otherwise it is sent to the bin appropriate to its destination.

USE/ADVANTAGE - Prepare for fully automatic system for sorting mail.

Dwg.0/25

Title Terms: **POSTAGE**; STAMP; DETACH; MACHINE; READ; LABEL; LABEL; SOURCE; DESTINATION; POSTCODE; CAN; READ; AUTOMATIC; SORT; MACHINE  
 Derwent Class: P43; P76; P85; T04; T05  
 International Patent Class (Main): B07C-003/18; B07C-005/342  
 International Patent Class (Additional): B07C-003/00; B07C-005/00; B42D-015/00; **G07B-017/00**; G09F-001/02  
 File Segment: EPI; EngPI

11/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007451703 \*\*Image available\*\*

WPI Acc No: 1988-085637/198813

XRPX Acc No: N88-064662

Postal franking system accepting stack of mail of various wt. - has single letter feed weighting module and franking modules interconnected

Patent Assignee: PITNEY BOWES INC (PITB )

Inventor: FEINLAND S; FREEMAN G C

Number of Countries: 006 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3731525	A	19880324	DE 3731525	A	19870918	198813 B
GB 2195603	A	19880413	GB 8721953	A	19870918	198815
FR 2604106	A	19880325				198819
GB 2224710	A	19900516				199020
GB 2195603	B	19900815				199033
GB 2224710	B	19900815				199033
US 4956782	A	19900911	US 86909153	A	19860919	199039
CH 675643	A	19901015				199046
CA 1276303	C	19901113				199051
CH 676517	A	19910131				199108
DE 3731525	C2	19961114	DE 3731525	A	19870918	199650

Priority Applications (No Type Date): US 86909153 A 19860919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3731525	A		17		
DE 3731525	C2		16	G07B-017/00	

Abstract (Basic): DE 3731525 A

A **postal** **franking** system has a number of interconnected modules for single unit feed from a stack (57) for weighing (20) and **franking** (12). The stack of **letters** is located on the feed module and the bottom item is extracted by a combined belt and roller unit.

The **letter** is passed by rollers onto the load cell of the

weighing unit and an analogue value is produced which is processed to provide a setting for the **franking** module (15). A mechanical buffer facility may be provided between the weighing and **franking** modules to accommodate cycle time differences.

USE/ADVANTAGE - Relatively small, less massive, worktop mountable machine for small or medium work loads.

1/11

Title Terms: **POSTAL ; FRANKING ; SYSTEM; ACCEPT; STACK; MAIL ; VARIOUS; WEIGHT; SINGLE; LETTER ; FEED; WEIGHT; MODULE; FRANKING ; MODULE; INTERCONNECT**

Derwent Class: P43; Q35; S02; T05

International Patent Class (Main): **G07B-017/00**

International Patent Class (Additional): B07C-001/04; B07C-005/16;

B65G-043/00; G01G-013/24; G01G-017/02; G01G-019/40

File Segment: EPI; EngPI

11/5/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004674138

WPI Acc No: 1986-177480/198628

XRPX Acc No: N86-132546

Mail -room and business systems computation and control module - has range of connectors giving additional memory capacity to microprocessor and allowing for future expansion

Patent Assignee: PITNEY BOWES INC (PITB )

Inventor: MANDULEY F

Number of Countries: 008 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 186881	A	19860709	EP 85116374	A	19851220	198628 B
US 4649491	A	19870310	US 84684409	A	19841220	198712
CA 1240064	A	19880802				198835
EP 186881	B	19910612				199124
DE 3583225	G	19910718				199130

Priority Applications (No Type Date): US 84684409 A 19841220

Cited Patents: DE 2224845; DE 2549460; DE 3040549; DE 3123618; EP 155671;

EP 90630; No-SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 186881 A E 27

Designated States (Regional): CH DE FR GB LI NL

EP 186881 B

Designated States (Regional): CH DE FR GB LI NL

Abstract (Basic): EP 186881 A

A large printed circuit board accommodates the components and connectors including an integrated circuit microprocessor (20). Connectors (40,50,60) connect the microprocessor (20) to the memory modules (42,52,62). One connector (40) gives access to 8 to 24 milobytes of read-only-memory (ROM), mounted on a paddle board (42) which is used to control the **postal** scale.

Another connector (50) connects 8 to 16 milobytes of programmable-read-only memory (PROM), on a paddle board (52), to the microprocessor for use in storing **postal** rate charts and zip-to-zone information which requires periodic updating. The third connector (60) allows 8 to 16 kilobytes on a paddle board (62) for further expansion. Connectors (70 and 80) are provided to allow for an operator interface in terms of keyboard and local display and also for a remote display.

USE - In digital business and **mail** room systems where both power and mechanical interconnections are made in a single, simple state.

Title Terms: **MAIL ; ROOM; BUSINESS; SYSTEM; COMPUTATION ; CONTROL; MODULE ; RANGE; CONNECT; ADD; MEMORY; CAPACITY; MICROPROCESSOR; ALLOW; FUTURE; EXPAND**

Index Terms/Additional Words: **FRANKING ; MAIL**

Derwent Class: S02; T05  
International Patent Class (Additional): G01G-019/00; G06F-015/20;  
**G07B-017/02** ; H05K-007/00  
File Segment: EPI

11/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004667363  
WPI Acc No: 1986-170705/198627  
XRPX Acc No: N86-127452

**Microprocessor controlled automatic pricing postal scale - incorporates updatable storage of postal rates and coded zone information used in computation of postal charges**

Patent Assignee: PITNEY BOWES INC (PITB )  
Inventor: GRISGRABER E G; MANDULEY F  
Number of Countries: 008 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 186159	A	19860702	EP 85116375	A	19851220	198627 B
US 4649490	A	19870310	US 84684410	A	19841220	198712
CA 1241114	A	19880823				198838
EP 186159	B	19890802				198931
DE 3572026	G	19890907				198937

Priority Applications (No Type Date): US 84684410 A 19841220  
Cited Patents: A3...8718; DD 148253; EP 107187; EP 90630; No-SR.Pub  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 186159	A	E	28		
Designated States (Regional): CH DE FR GB LI NL					
EP 186159	B	E			
Designated States (Regional): CH DE FR GB LI NL					

Abstract (Basic): EP 186159 A

A weight sensing device such as a load cell, with an analog-to-digital converter, provides the weight input signal to a microprocessor (20) and its associated circuitry. The microprocessor forms a part of a large printed circuit board or 'motherboard' (10) to provide intelligence in the form of programmable **computation** and control capability. A series of plug connectors (40,50,60) respectively, connect the various paddle-boards and sub-modules to the microprocessor. One connector (40) allows introduction of 8 to 24 bytes of ROM mounted on one paddle board (42) and used to store the firmware controlling the **postal** scale.

The second connector (50) introduces 8 to 16 bytes of PROM on another paddle board (52) for storing **postal** rates and zip-zone coded information, with this memory being programmable to permit frequent change. The third connector (60) introduces a board (62) for additional future memory expansion. The microprocessor communicates with a keyboard and display on an operator interface.

ADVANTAGE - Switches (95,115,125) respond to microprocessor to **sequentially** energise **various** connectors and interfaces, reducing peak power requirements.

Title Terms: MICROPROCESSOR; CONTROL; AUTOMATIC; PRICE; **POSTAL** ; SCALE; INCORPORATE; STORAGE; **POSTAL** ; RATE; CODE; ZONE; INFORMATION; **COMPUTATION** ; **POSTAL** ; CHARGE

Derwent Class: S02; T05  
International Patent Class (Additional): G01G-019/00; G06F-015/20;  
**G07B-017/02**  
File Segment: EPI

11/5/7 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003582596

WPI Acc No: 1983-D0793K/198309

XRPX Acc No: N83-040217

Computing, modelling or test system random numbers generator - has  
outputs from address-setter taken to second of two memories having  
outputs to commutator and together forming super-high-speed memory

Patent Assignee: MINSK WIRELESS ENG (MIWE )

Inventor: BAKANOVICH E A; MELNIK N I; NOVIKOV V I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 922738	B	19820425				198309 B

Priority Applications (No Type Date): SU 2979340 A 19800902

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 922738	B	9		

Abstract (Basic): SU 922738 B

Random numbers generator contg. a uniformly distributed random numbers pickup connected to a controlled comparator and a memory, has greater speed for stochastic modelling of random numbers, variables and processes. It can be used as a stochastic computer module for generating random number flows with set probability characteristics and a Markov random process with a finite set of states, for solution of statistical test problems in automated modelling **packages** and in automated random-action test systems.

The commutator (3) and memories (5, 8) are introduced and the address-setter (6) is reconstructed with shift registers, delay circuit and OR-gate in order to form a **two - level** memory. A comparatively small super-high-speed memory is used in conjunction with a larger memory (4) of comparatively lower speed. Program control by computer is expedient. Bul.15/23.4.82 (9pp Dwg.No.1/4)

Title Terms: **COMPUTATION** ; MODEL; TEST; SYSTEM; RANDOM; NUMBER; GENERATOR; OUTPUT; ADDRESS; SET; SECOND; TWO; MEMORY; OUTPUT; COMMUTATE; FORMING; SUPER; HIGH; SPEED; MEMORY

Derwent Class: T01

International Patent Class (Additional): G06F-007/58

File Segment: EPI



13/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06856725 \*\*Image available\*\*  
TAX **CALCULATING** DEVICE, DISPLAY DEVICE FOR TAX **CALCULATION** AND  
MANUFACTURE THEREOF

PUB. NO.: 2001-084227 [JP 2001084227 A]  
PUBLISHED: March 30, 2001 (20010330)  
INVENTOR(s): NAKAYAMA HITOSHI  
MATSUYAMA SHIGETAKE  
APPLICANT(s): SHARP CORP  
APPL. NO.: 11-257898 [JP 99257898]  
FILED: September 10, 1999 (19990910)  
INTL CLASS: G06F-015/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To perform display related to tax **calculation** processings having few signal wires without lighting unneeded characters.

SOLUTION: An indicator 22 of an electronic desk-top **calculator** 21 provided with a tax **calculation** function, is provided with a display part 26 for tax **calculation** on the left side of a numerical display part 25. In the part 26, three Chinese characters composed of 'ZEI, KOMI and NUKI (gross of tax and net of tax)' are arranged on the upper stage side, and one **letter** 'RITSU (rate)' is arranged on the lower stage side. The position of the 'RITSU' comes directly under the 'ZEI (tax)', so that 'ZEIRITSU (tax rate)' can be shown vertically. A single display of 'ZEI' and the combinational display of 'ZEIKOMI (before tax deduction)' and 'ZEINUKI (after tax deduction)' are made on the upper **stage** side. **Two** common signal wires and segment signal wires each are used, and the display can be switched over by a **dynamic** lighting system.

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13/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05927277 \*\*Image available\*\*  
**LETTER** DETECTION DEVICE

PUB. NO.: 10-210377 [JP 10210377 A]  
PUBLISHED: August 07, 1998 (19980807)  
INVENTOR(s): KONISHI KAZUO  
AKAMATSU NAOKI  
SATO KOICHI  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
TOSHIBA AVE CORP [485538] (A Japanese Company or Corporation)  
, JP (Japan)  
APPL. NO.: 09-014168 [JP 9714168]  
FILED: January 28, 1997 (19970128)  
INTL CLASS: [6] H04N-005/44; H04N-007/015; H04N-009/74  
JAPIO CLASS: 44.6 (COMMUNICATION -- Television)  
JAPIO KEYWORD: R002 (LASERS); R101 (APPLIED ELECTRONICS -- Video Tape  
Recorders, VTR); R102 (APPLIED ELECTRONICS -- Video Disk  
Recorders, VDR); R131 (INFORMATION PROCESSING --  
Microcomputers & Microprocessors)

#### ABSTRACT

PROBLEM TO BE SOLVED: To prevent the detecting malfunctions of **letter** box signals, when a scene is **changed** to an image having its luminance level equal to a black level or its nearby level or, when an image at a high luminance level enters the center part of the image.

SOLUTION: A block division circuit 13 horizontally divides a screen into

plural parts, calculates an average luminance level and an average color level for each divided part of the screen, and supplies the calculation result data c1 to a normal detection circuit 14 and an edge-detection circuit 15. The circuits 14 and 15 and a caption detection circuit 16 detect whether a pattern exists in a horizontal range of video signals that is divided into two or more parts by the circuit 13, whether the pattern suddenly changes according to the upper-lower correlation, and whether there are captions respectively.

13/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04314369 \*\*Image available\*\*  
WINDING-UP OF THREAD ON DRUM PACKAGE

PUB. NO.: 05-306069 [JP 5306069 A]  
PUBLISHED: November 19, 1993 (19931119)  
INVENTOR(s): AKAZAWA KIYOSHI  
TSUKIDA KEIICHI  
APPLICANT(s): TORAY IND INC [000315] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 04-110929 [JP 92110929]  
FILED: April 30, 1992 (19920430)  
INTL CLASS: [5] B65H-054/28; B65H-054/38  
JAPIO CLASS: 15.1 (FIBERS -- Yarns & Ropes)  
JOURNAL: Section: M, Section No. 1565, Vol. 18, No. 112, Pg. 21,  
February 23, 1994 (19940223)

#### ABSTRACT

PURPOSE: To suppress each shape of a bulge and a saddle at a low level by gradually increasing and decreasing the traverse speed in the case where a thread is wound up to a drum package from the start to the end of winding, according to the winding pressure and setting the traverse speed so as to satisfy the specific equations.

CONSTITUTION: A drum package is formed by winding up a thread layer 2 on a bobbin 1. In this case, the traverse speed T in winding up the thread to the drum package is gradually increased and decreased according to the wining pressure from the start to the end of winding, and set so that all the following equations are satisfied.  $0.1 \leq x \leq 0.8$ .  
 $(0.45x+1)X(-0.1x+0.98) \leq T(\text{sub } 0.05)/T(\text{sub } 0) \leq (0.45x+1)X(0.1x+1.02)$ .  
 $(0.75x+1)X(-0.1x+0.98) \leq T(\text{sub } 0.15)/T(\text{sub } 0) \leq (0.75x+1)X(0.1x+1.02)$ .  
 $(0.95x+1)X(-0.1x+0.98) \leq T(\text{sub } 0.30)/T(\text{sub } 0) \leq (0.95x+1)X(0.1x+1.02)$ .  
However, x is the value calculated from  $((T(\text{sub } 0.45)/T(\text{sub } 0))/T(\text{sub } 0))$ .

13/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03622440 \*\*Image available\*\*  
COPLANARITY MEASURING DEVICE

PUB. NO.: 03-285340 [JP 3285340 A]  
PUBLISHED: December 16, 1991 (19911216)  
INVENTOR(s): KIDA TOMOYUKI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-086638 [JP 9086638]  
FILED: March 31, 1990 (19900331)  
INTL CLASS: [5] H01L-021/66; G01B-011/02  
JAPIO CLASS: 42.2 (ELECTRONICS -- Solid State Components); 29.1 (PRECISION  
INSTRUMENTS -- Photography & Cinematography); 46.1  
(INSTRUMENTATION -- Measurement); 46.2 (INSTRUMENTATION --  
Testing)

JAPIO KEYWORD:R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD & BBD)

JOURNAL: Section: E, Section No. 1181, Vol. 16, No. 116, Pg. 19, March 24, 1992 (19920324)

#### ABSTRACT

PURPOSE: To prevent the peeling of solder and the bent of lead by a method wherein an SMD is put in a state that the back surface of the SMD is faced **upward**, the coordinates of the apex of each lead are found to **calculate** a geometrically ideal plane and the distance between the ideal plane and the coordinates of the apex of each lead is **calculated** and is used as a coplanarity.

CONSTITUTION: A geometrically ideal plane is **calculated** on the basis of 4 pieces of laser distance sensors 3, which are used as sensor means for recognizing the positions of the apexes of leads of a surface mounting type integrated circuit **package** (DUT) 1 which is a **package** to be measured and the coordinates of the apex of each lead, which are collected by these sensors 3. Moreover, the distance between the geometrically ideal plane and the coordinates of the apex of each lead is **calculated** as a coplanarity and a CPU 8 for deciding the good or bad of products on the basis of the **calculated** coplanarity is provided. A coplanarity measuring device is provided with a feed part 25 for feeding the DUTs 1, a transfer arm 26 for transferring the DUTs 1 to a **stage** 2, a transfer arm 27 for transferring the measured DUTs 1 from the **stage** 2, a non-defective housing part 28 for housing non-defectives of the DUTs 1, a defective housing part 29 for housing defectives of the DUTs 1 and a sequencer 24 for controlling a transfer and measuring operation.

13/5/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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03136158

CERAMIC INSULATING MATERIAL AND PRODUCTION THEREOF

PUB. NO.: 02-111658 [JP 2111658 A]

PUBLISHED: April 24, 1990 (19900424)

INVENTOR(s): IWAI SHOICHI

KURIBAYASHI TAKASHI

WAKABAYASHI SHINICHI

KANZAKI SHUZO

ABE OSAMI

OOHASHI MASAYOSHI

NAGAOKA TAKAAKI

MITATE CHIAKI

APPLICANT(s): SHINKO ELECTRIC IND CO LTD [416101] (A Japanese Company or Corporation), JP (Japan)

AGENCY OF IND SCIENCE & TECHNOL [000114] (A Japanese Government or Municipal Agency), JP (Japan)

HOKKO CHEM IND CO LTD [330351] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 63-262656 [JP 88262656]

FILED: October 18, 1988 (19881018)

INTL CLASS: [5] C04B-035/14; C04B-035/18

JAPIO CLASS: 13.3 (INORGANIC CHEMISTRY -- Ceramics Industry); 41.2 (MATERIALS -- Insulating Materials); 42.1 (ELECTRONICS -- Electronic Components)

JOURNAL: Section: C, Section No. 738, Vol. 14, No. 318, Pg. 99, July 09, 1990 (19900709)

#### ABSTRACT

PURPOSE: To make possible to form green sheet having stable quality and burn at low temperature by calcining alumina-silica based powder, crushing, **adjusting** specific surface area, molding to green sheet and burning at specific temperature.

CONSTITUTION: Alumina-silica based powder obtained by metal alkoxide hydrolyzing method, etc., ( $10 \leq \text{Al}(\text{sub } 2)\text{O}(\text{sub } 3) < 62.38 < \text{SiO}(\text{sub } 2) \leq 90$ , total is 100 in wt.% **calculated** as oxide) is calcined at 1000-1400 deg.C for 1-4 hour and resultant calcined powder is crushed for 5-50 hour in a solvent such as methanol using vibrating ball mill to **adjust** at 1-50m(sup 2)/g, preferably 30-40m(sup 2)/g specific surface area. Binder, plasticizer and solvent are added to said raw material powder and made to slurry, then molded to green sheet, burned at a temperature without generation of cristobalite phase in a range of 1300-1600 deg.C to afford the ceramic insulating material useful for **multi - layered ceramic package** or base of electronic circuit, etc.

13/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02931123 \*\*Image available\*\*  
ELECTRIC DISCHARGE METHOD

PUB. NO.: 01-228723 [JP 1228723 A]  
PUBLISHED: September 12, 1989 (19890912)  
INVENTOR(s): SENDAI TAKASHI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 63-056673 [JP 8856673]  
FILED: March 10, 1988 (19880310)  
INTL CLASS: [4] B23H-001/10; B23H-007/36  
JAPIO CLASS: 25.2 (MACHINE TOOLS -- Cutting & Grinding)  
JAPIO KEYWORD: R063 (MACHINERY -- Numerical Control Machine Tools, NC)  
JOURNAL: Section: M, Section No. 904, Vol. 13, No. 555, Pg. 28, December 11, 1989 (19891211)

#### ABSTRACT

PURPOSE: To automatically discharge sludge, to avoid lowering the machining rate, and to eliminate occurrence of arc discharge by **changing** the angle of supply of machining liquid fed into a machining gap in accordance with a depth of a part to be machined.

CONSTITUTION: When a Z-axis servo-motor is driven and controlled by a servo-control circuit through a servo-motor drive circuit, a machining electrode 1 is lowered. After lowering of the electrode, an actual machining depth  $Z_m$  is **calculated** from the present position of the electrode 1 and a machining electrode position  $Z_s$  which has been previously stored in memory. The value  $Z_m$  is compared with a machining depth  $Z(\text{sub } 1)$  in a machining liquid injection control **package**. When the actual machining depth  $Z_m$  exceeds the machining length  $Z(\text{sub } 1)$ , data of the injection angle  $N(\text{sub } 2)$  of a second **stage** nozzle 13 is delivered to a machining liquid injection control device 30. The control device 30 when receiving the above-mentioned data, sets the injection angle of the nozzle to  $N(\text{sub } 2)$ . Thereafter, the actual machining depth is compared with machining depths  $Z(\text{sub } 2)$ - $Z(\text{sub } 4)$ , successively, so as to **change** the injection angle of the nozzle 13 to  $N(\text{sub } 3)$ ,  $N(\text{sub } 4)$ , thereby, sludge is discharged.

13/5/7 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01124026 \*\*Image available\*\*  
**POSTAL BALANCE**

PUB. NO.: 58-061426 [JP 58061426 A]  
PUBLISHED: April 12, 1983 (19830412)  
INVENTOR(s): IIDA SUEZO  
KANAI IKUO  
HAGIWARA YUKIO

MUNAKATA HIROYUKI  
OANA MASAO  
KOIKE SEIJI  
NISHIDA MANABU

APPLICANT(s): YUUSEIDAIJIN [366749] (A Japanese Government or Municipal Agency), JP (Japan)  
TOKYO ELECTRIC CO LTD [000356] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 56-160491 [JP 81160491]  
FILED: October 08, 1981 (19811008)  
INTL CLASS: [3] G01G-019/413  
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement)  
JAPIO KEYWORD: R110 (INSTRUMENTATION -- Digital Display Instrumentation);  
R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 207, Vol. 07, No. 150, Pg. 125, June 30, 1983 (19830630)

#### ABSTRACT

PURPOSE: To improve working efficiency in the **stage** of handling **plural** pieces of the **postal** matter of the same kind, the same weight and the same charges by weighing only the first one piece with various key operations thereafter displaying the quantities and charges thereof when all the pieces of the **postal** matter are weighed by operating an \*key.

CONSTITUTION: When plural pieces of the **postal** matter of the same kind, the same weight and the same charges are presented, first one piece thereof is weighed with the 1st **balance** part or the 2nd **balance** part, and necessary keys are operated. Then, the charges thereof are displayed on a charge display device 32 by a display controlling circuit 17. Also the weight thereof is displayed on a display device 31 by a display controlling circuit 17. When an \* key 11n is operated in said state, the contents of a gross weight memory are stored as a unit weight count value in a unit weight memory, and the contents of a charge memory as a unit **postal** charge in a unit charge memory, respectively. The quantity data and the content of the unit charge memory are multiplied and **postal** charges are **calculated**. According to the results thereof, the quantities are displayed on a weight display device 31 by a display control circuit 17, and the **postal** charges on a charge display device 32.

13/5/8 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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014594679

WPI Acc No: 2002-415383/200244

XRAM Acc No: C02-117233

XRPX Acc No: N02-326759

**Composition useful in the treatment of obesity comprises at least one micronutrient and target absorbent compound**

Patent Assignee: BUCHANAN-BAILLIE-HAMILTON P F (BUCH-I)

Inventor: BUCHANAN-BAILLIE-HAMILTON P F; PECK J C

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200212882	A2	20020214	WO 2001GB3554	A	20010807	200244 B
AU 200176537	A	20020218	AU 200176537	A	20010807	200244
GB 2370504	A	20020703	GB 200117052	A	20010712	200251

Priority Applications (No Type Date): GB 200117052 A 20010712; GB 200019327 A 20000808

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200212882 A2 E 86 G01N-033/487

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ

PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
AU 200176537 A G01N-033/487 Based on patent WO 200212882  
GB 2370504 A A61K-049/00

Abstract (Basic): WO 200212882 A2

NOVELTY - A composition comprises at least one active compound e.g. micronutrient or target compound absorbent.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: 1) a method for comparing the relative inhibitory effects of several of target compounds (A1)/items on the ability of a test subject (A2)/(A2) exposed to the items to control their weight involving performing the method for each (A1)/item, and comparing the inhibitory effects of each (A1)/item; 2) a method for labeling and/or certifying an item according to its inhibitory effect on the ability of (A2) exposed to the item to control their weight involving performing the method for the item, and labeling and/or certifying the item based on a pre-determined scale according to their inhibitory effect; 3) a method of diagnosis and/or prognosis of a weight-control-related disorder or disease in (A2) involving performing a method and correlating the results obtained from the method with the disease state of the subject; 4) determining a test subject's progress in **altering** the extent to which their ability to control their weight has been inhibited involving performing the method at intervals, and comparing the results obtained from the method to establish the progress made; 5) production of a tailored advice plan for (A2) involving performing a method and providing a plan in accordance with the results obtained from the method. The plan provides a system for improving or maintaining the ability of (A2) to control their weight; 6) determining the extent of the inhibitory effect of (A1) on the ability of (A2) into whom (A1) is introduced to control their weight involving (i) determining the degree or severity by which (A1) affects each of several weight controlling systems (HICS) present in (A2); (ii) determining the persistence of (A1) in (A2); (iii) **calculating** the inhibitory effect as a function of values of (i) and (ii); 7) Use of the composition in the preparation of a medicament for the treatment of obesity; 8) production of a database of the inhibitory effects of several (A1)/items on the ability of (A2)/(A2) exposed to the items to control their weight involving performing the method for each (A1)/items, and combining the results into a database; 9) computer system for use in the performance of a method or displaying the output of the method, or displaying or accessing the database, comprising (a) a standard electronic computer circuit containing at least a random access memory, a read only memory, a processor; (b) a keyboard comprising several standard keyboard buttons; and (c) a display; 11) production of a labeled and/or certified item, involving providing the item to be labeled and/or certified, and performing the method on the item; 12) a database produced by the method; 13) a data carrier comprising the database; 14) determining the inhibitory effect of an item on the ability of (A2) exposed to the item to control their weight involving: a) optionally determining the amount of each of several (A1) in the item having an inhibitory effect on the ability of (A2) to control their weight; and 15) a system for improving or maintaining the ability of (A2) to control their weight including (a) a commodity provider, which provides commodities for (A2), (b) a certifier which certifies each commodity according to its inhibitory effect on the ability of (A2) exposed to the item to control their weight such that the subject can select each commodity to its certification. The certifier optionally uses an analyzer for determining the presence of (A1) in each commodity and a database of the inhibitory effect of (A1) present in the commodity on the ability of (A2) to control their weight.

ACTIVITY - Anorectic; Cardiant; Antiasthmatic; Antiallergic; Cytostatic; Dermatological; Immunosuppressive.

MECHANISM OF ACTION - Inhibitor.

USE - For cosmetic improvement of the subject, which does not suffer from obesity; for treatment of the subject suffering from obesity; for use in a method for treatment of obesity; for controlling

the weight of the subject; in the preparation of the medicament for the treatment of obesity (all claimed); for the control and treatment of various conditions associated with obesity e.g. immune dysfunction, autoimmunity, cardiovascular disorder, pulmonary disorder (e.g. asthma), allergies, cancer, mood **changes**, neurological illness, **changes** in libido, hormonal disorders, reproductive dysfunction, congenital abnormalities, metabolic disorder (e.g. glucose dysregulation), muscular skeletal disorder, renal and genitourinary disorder and skin disorder.

ADVANTAGE - The composition achieves significantly more effective and long lasting weight reduction without the use of drugs which interferes with the body's natural metabolism, by means of effectively restoring the body's own natural slimming system in a substantially natural manner.

pp; 86 DwgNo 0/9

Title Terms: COMPOSITION; USEFUL; TREAT; OBESITY; COMPRISE; ONE;

MICRONUTRIENT; TARGET; ABSORB; COMPOUND

Derwent Class: B04; D13; J04; S03

International Patent Class (Main): A61K-049/00; G01N-033/487

International Patent Class (Additional): A61P-003/04

File Segment: CPI; EPI

13/5/9 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014573000

WPI Acc No: 2002-393704/200242

XRAM Acc No: C02-110682

XRPX Acc No: N02-308702

**Treatment, reduction or attenuation of obesity in an individual comprises administration of calcium and induction of a metabolic change**

Patent Assignee: UNIV TENNESSEE RES CORP (UYTE-N)

Inventor: SHI H; ZEMEL M B; ZEMEL P C

Number of Countries: 097 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200217734	A2	20020307	WO 2001US27432	A	20010904	200242 B
US 6384087	B1	20020507	US 2000654357	A	20000901	200242
AU 200188707	A	20020313	AU 200188707	A	20010904	200249

Priority Applications (No Type Date): US 2000654357 A 20000901

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200217734 A2 E 43 A23L-001/29

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 6384087 B1 A61P-003/04

AU 200188707 A A23L-001/29 Based on patent WO 200217734

Abstract (Basic): WO 200217734 A2

NOVELTY - Treatment, reduction or attenuation of obesity in an individual comprises administration of calcium and induction of a metabolic **change** in the individual.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(1) A method (I) of diagnosis and treatment of obesity involving:

(a) determining the weight and optionally the height of an individual;

(b) comparing the weight or optionally the weight/height ratio of the individual to established normals;

(c) optionally classifying the obesity of the individual;

(d) optionally providing the individual with information relating to the benefits of maintaining a normal weight or a normal

weight/height ratio; and

(e) providing the individual with a dietary plan containing high levels of calcium and optionally printed matter disclosing the obesity-control benefits of a high calcium diet;

(2) A computer implemented method (II) of diagnosis and treatment, and/or monitoring obesity involving:

(a) inputting the values obtained from step (1a) into a computer system;

(b) optionally **calculating** the weight/height ratio of the individual;

(c) comparing the weight or optionally the weight/height ratio of the individual to established norms contained in a weight and/or weight/height database of the computer;

(d) optionally classifying the obesity of the individual;

(e) carrying out step (1d);

(f) carrying out step (1e); and

(g) optionally monitoring the progress of the individual;

(3) A computer implemented method (III) of diagnosis and treatment, and/or monitoring obesity over communication network involving:

(a) obtaining weight and optionally height data from the individual by input of the data on a web page;

(b) optionally **calculating** the weight/height ratio of the individual in the computer connected to the communication network;

(c) carrying out steps (2c), (1c), (1d) and (1e);

(4) An article of manufacture useful in stimulating the metabolic consumption of adipose tissue containing foodstuffs and printed material disclosing the advantages of high calcium diets;

(5) A method of modulating, attenuating or **decreasing** obesity in the individual involving administering a 1,25-dihydroxyvitamin D (1,25-(OH)<sub>2</sub>-D) (a)-antagonist or -receptor antagonist; and

(6) A method for promoting the consumption of a calcium-containing product involving the public distribution of information describing the obesity-control benefits of the product which are attributable to the consumption of calcium in the product.

ACTIVITY - Anorectic.

No biological data available.

MECHANISM OF ACTION - Lipogenesis inhibitor; Lipolysis stimulator; 1,25-dihydroxyvitamin D (1,25-(OH)<sub>2</sub>D) receptor antagonist.

USE - In the treatment, reduction or attenuation of obesity, in an article of manufacture, which is useful in stimulating the metabolic consumption of adipose tissue containing foodstuffs and also for attenuating weight gain and adiposity, reducing the risk of adiposity in children and controlling weight gain in children (all claimed).

ADVANTAGE - The calcium induces a metabolic **change** (such as weight loss, **decreasing** intracellular calcium concentrations, stimulating lipolysis, inhibiting lipogenesis, **increasing** the expression of white adipose tissue uncoupling protein 2 (UCP2), reducing serum insulin **levels**, thermogenesis or **decreasing** the levels of calcitrophic hormones). The method easily and efficiently achieves weight loss, restores normal body fat ratios in women post partum and also reduces the regain of weight lost after an initial period of dieting.

pp; 43 DwgNo 0/11

Title Terms: TREAT; REDUCE; ATTENUATE; OBESITY; INDIVIDUAL; COMPRISE;

ADMINISTER; CALCIUM; INDUCTION; METABOLISM; **CHANGE**

Derwent Class: B04; B05; D13; D16; T01; T05

International Patent Class (Main): A23L-001/29; A61P-003/04

International Patent Class (Additional): A23L-001/304; A61K-033/06;

A61K-033/10; A61P-003/02

File Segment: CPI; EPI

13/5/10 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014571691 \*\*Image available\*\*

WPI Acc No: 2002-392395/200242



XRPX Acc No: N02-307525

**Electronic photo-compositing method for photography, involves calculating transparency values for images obtained with selected background**

Patent Assignee: BRANDENBERG C B (BRAN-I); KAY R L (KAYR-I)

Inventor: BRANDENBERG C B; KAY R L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6377269	B1	20020423	US 9887288	P	19980529	200242 B
			US 99322447	A	19990528	

Priority Applications (No Type Date): US 9887288 P 19980529; US 99322447 A 19990528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6377269	B1	17	G09G-005/00		Provisional application US 9887288

Abstract (Basic): US 6377269 B1

NOVELTY - Digital photographs of an object are obtained with difference selected backgrounds. Transparency values are **calculated** for the resulting images and thus a composite digital image with transparent region is generated.

USE - In the field of photography.

ADVANTAGE - It is possible to automate the most difficult part of generating mask with edges free from fringes and artifacts and the images are popular for imaging and animating software **packages**. The accuracy and fidelity approaches true transparency values and the ability to reuse the image in multiple ways increases. The designer is given greater freedom of design and the ability to make rapid design **changes**, reducing amount of film and prints, and the number of digitized images stored, saves money and resources. Reduces the **editing** of images before its usage and hence user effort is minimized. It is possible to reduce the color effect in Adobe photoshop using **multiple layers** with appropriate blending modes.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart illustrating the steps for electronic photo-compositing.  
pp; 17 DwgNo 14/14

Title Terms: ELECTRONIC; PHOTO; COMPOSITOR; METHOD; PHOTOGRAPH; **CALCULATE**; TRANSPARENT; VALUE; IMAGE; OBTAIN; SELECT; BACKGROUND

Derwent Class: P85; T01; T04

International Patent Class (Main): G09G-005/00

File Segment: EPI; EngPI

13/5/11 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014302550

WPI Acc No: 2002-123253/200217

XRAM Acc No: C02-037983

XRPX Acc No: N02-092341

**Automated testing of activity of cell- modifying agents useful for selecting cytostatic agents for particular treatments**

Patent Assignee: CELLCONTROL BIOMEDICAL LAB GMBH (CELL-N)

Inventor: DIETEL A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10016077	A1	20011213	DE 1016077	A	20000331	200217 B

Priority Applications (No Type Date): DE 1016077 A 20000331

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10016077	A1	7	C12Q-001/02		

Abstract (Basic): DE 10016077 A1

NOVELTY - Automated detection of an activity of a cell- **modifying** agent (A) on living cells.

DETAILED DESCRIPTION - The process comprises:

(a) measuring data (MD) that represents cellular activity of live cells contacted with (A);

(b) normalizing with similar data (MD') derived from cells not treated with (A) and/or treated only with the solvent used to apply (A);

(c) comparing normalized data with reference values (corresponding to untreated and/or solvent-treated cells); and

(d) data that represent the effect the effect of (A) on the cells are output.

INDEPENDENT CLAIMS are also included for the following:

(1) an apparatus for the new method; and

(2) a computer program **package** for implementing the method.

USE - The method is especially used to determine the effects of cytostatic agents on tumor cells, particularly for drug selection.

ADVANTAGE - The method identifies the best cytostatic agent, or combination, for a particular application. It also indicates resistance of cells to particular agents.

pp; 7 DwgNo 0/5

Title Terms: AUTOMATIC; TEST; ACTIVE; CELL; **MODIFIED** ; AGENT; USEFUL; SELECT; CYTOSTATIC; AGENT; TREAT

Derwent Class: B04; D16; S05; T01

International Patent Class (Main): C12Q-001/02

International Patent Class (Additional): C12M-001/34

File Segment: CPI; EPI

13/5/12 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014136924 \*\*Image available\*\*

WPI Acc No: 2001-621135/200172

XRPX Acc No: N01-463491

**Interpreting natural language-based vocal commands, analyzes attribute information and intra-clause positional relationships of individual words/morphemes extending it to various clauses comprising full sentence**

Patent Assignee: TOYOTA CHUO KENKYUSHO KK (TOYW )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001229163	A	20010824	JP 200040171	A	20000217	200172 B

Priority Applications (No Type Date): JP 200040171 A 20000217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 2001229163	A		15	G06F-017/27	
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Abstract (Basic): JP 2001229163 A

NOVELTY - The command sentence is viewed as an ordered assemblage of several clauses which in turn consist of similarly ordered words/morphemes. A **two tier** analysis of clauses involving attribute information of individual words as well as their positional relationships is carried out, with the help from analysis dictionary. The command gets interpreted through code generator/synthesizer combination.

USE - Voice based communications are being integrated into the command/control structures of navigational aids built into vehicles, electronic **mail** that handles information transfers, safety alarms, etc.

ADVANTAGE - The **algorithms** employed are simple and have outstanding **adaptability** to fit into various control models.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart showing analysis process section included in the speech-synthesis processing apparatus. (Drawing includes non-English text).

pp; 15 DwgNo 1/13

Title Terms: INTERPRETATION; NATURAL; LANGUAGE; BASED; VOICE; COMMAND;  
ATTRIBUTE; INFORMATION; INTRA; POSITION; RELATED; INDIVIDUAL; WORD;  
EXTEND; VARIOUS; COMPRISE; FULL; SENTENCE  
Derwent Class: P86; T01; W04  
International Patent Class (Main): G06F-017/27  
International Patent Class (Additional): G10L-015/18  
File Segment: EPI; EngPI

13/5/13 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014050641  
WPI Acc No: 2001-534854/200159  
Related WPI Acc No: 2002-061431  
XRAM Acc No: C01-159237  
XRPX Acc No: N01-397064

Processing an imagewise exposed color photographic film involves  
processing the film either by a conventional wet-chemistry process or by  
an apparently dry thermal process

Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: IRVING L M; IRVING M E; SZAJEWSKI R P  
Number of Countries: 033 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6242166	B1	20010605	US 99475510	A	19991230	200159 B
WO 200150195	A1	20010712	WO 2000US34791	A	20001220	200159
AU 200124467	A	20010716	AU 200124467	A	20001220	200169

Priority Applications (No Type Date): US 99475510 A 19991230

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 6242166	B1		38	G03C-007/18	
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WO 200150195	A1 E			G03C-007/413	
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Designated States (National): AU BR CA CN IL IN JP KR MX NZ RU SG ZA

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE TR

AU 200124467	A			G03C-007/413	Based on patent WO 200150195
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Abstract (Basic): US 6242166 B1

NOVELTY - Processing an imagewise exposed color photographic film  
having at least three light-sensitive units involves processing the  
film either by a traditional wet-chemistry process with a  
phenylenediamine-containing developer solution followed by desilvering,  
or by a thermal process involving the use of minor amount of aqueous  
solution containing a liberating agent to activate a blocked  
phenylenediamine developing agent followed by electronic scanning.

DETAILED DESCRIPTION - A commercial quantity of color photographic  
film sold to camera users, with the film imagewise exposed in a camera  
over a given period of time, and containing at least three  
light-sensitive units having individual sensitivities in different  
wavelength regions, is processed in two ways. The film contains at  
least one light-sensitive silver halide emulsion, binder and  
dye-providing coupler in each of the light-sensitive unit and further  
comprises an internally located blocked developing agent or a  
developing agent precursor in reactive association with the three  
light-sensitive layers, as a layer unit on a support. The film is  
developed by either:

(1) The following process :

(a) contacting a portion of the film with a developing agent  
comprising a non-blocked p-phenylenediamine developing agent, under  
agitation at 30 - 50degreesC under aqueous alkaline conditions to form  
a color negative image in the film by reaction of the non-blocked  
para-phenylenediamine developing agent with the dye-providing couplers  
inside the silver halide emulsions which form the dyes, present in the  
three light-sensitive units and are different in hue, in a color  
developing step,

(b) desilvering the film in at least one desilvering solutions to remove unwanted silver and silver halide to form a color negative image, and

(c) forming a positive-image color print from the desilvered film;  
or

(2) This process :

(a) heating a portion of the film at above about 50degreesC, without any externally applied developing agent in alkaline or acidic aqueous conditions, such that the internally blocked developing agent becomes unblocked to form the phenylenediamine developing agent, which then forms dyes by reacting with the dye-providing couplers to form a comparable color negative image, and

(b) optionally scanning the image without desilvering to provide a digital electronic record of the image capable of generating a positive color image in a display element. The blocked developing agent is unreactive in the step (a).

USE - For processing a color photographic film sold to camera users (claimed).

ADVANTAGE - The method enables a single film stock to be developed in a conventional C-41 deep-tank i.e. wet-chemical process and in an apparently dry process. The process avoids the conventional series of tanks, including complex chemicals and costs related to it. The system is commercially viable and produces images having quality comparable to that of the traditional silver-halide film. This color photothermographic film also adventitious with consumer cameras, that the film is amenable to development at kiosks also independent of wet-development labs, with the use of simple dry or apparently dry equipment, thus having greater convenience and speed and development. The blocked developing agent in the film is stable before exposure to avoid desensitizing of silver halide during storage and avoids the resulting fog after development, is fast unblocking during development, and the blocked developing agent and/or its associated components do not adversely affect or interfere with the results achievable by the traditional wet-processing.

pp; 38 DwgNo 0/2

Title Terms: PROCESS; IMAGE; EXPOSE; PHOTOGRAPH; FILM; PROCESS; FILM;  
CONVENTION; WET; CHEMISTRY; PROCESS; APPARENT; DRY; THERMAL; PROCESS  
Derwent Class: E14; G05; G06; P83; S06  
International Patent Class (Main): G03C-007/18; G03C-007/413  
International Patent Class (Additional): G03C-001/42; G03C-007/32;  
G03C-007/388  
File Segment: CPI; EPI; EngPI

13/5/14 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013934145

WPI Acc No: 2001-418359/200144

XRAM Acc No: C01-126595

XRPX Acc No: N01-309907

**Nucleic acid comprising a genomic, complementary or composite sequence encoding a polypeptide having an invertase activity in an apoplasmic environment, useful for increasing the monosaccharide content of plants**

Patent Assignee: YISSUM RES DEV CO HEBREW UNIV JERUSALEM (YISS )

Inventor: FRIDMAN E; PLEBAN T; ZAMIR D

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200149826	A1	20010712	WO 2001IL8	A	20010102	200144 B
AU 200122175	A	20010716	AU 200122175	A	20010102	200169

Priority Applications (No Type Date): US 2000477375 A 20000104

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200149826	A1	E	97 C12N-005/04	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA

CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
AU 200122175 A C12N-005/04 Based on patent WO 200149826

Abstract (Basic): WO 200149826 A1

NOVELTY - An isolated nucleic acid (N1) comprising a genomic, complementary or composite polynucleotide sequence (N2) encoding a polypeptide (P1) having an invertase activity in an apoplastic environment and an N terminal amino acid sequence serving for secretion into an apoplast, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a nucleic acid construct comprising N1;
- (2) a plant cell, tissue or a whole plant comprising the nucleic acid construct of (1);
- (3) an isolated nucleic acid comprising the 13431 (S3), 3616 (S4), 1960 (S5), 3532 (S6) or 2003 (S7) nucleotide sequence defined in the specification;
- (4) an isolated nucleic acid comprising a polynucleotide sequence encoding the 584 (S1) or 583 (S2) amino acid sequence defined in the specification;
- (5) a recombinant protein (P2) comprising P1;
- (6) a method of **increasing** a level of a monosaccharide in a plant tissue, comprising expressing P1 in the plant tissue;
- (7) an isolated regulatory element comprising a polynucleotide at least 50 % identical with the 484 nucleotide sequence (S8) defined in the specification as determined using the BestFit software of the Wisconsin sequence analysis **package**, utilizing the Smith and Waterman **algorithm**, where gap weight equals 50, length weight equals 3, average match equals 10 and average mismatch equals -9;
- (8) an isolated regulatory element comprising a polynucleotide hybridizable with S8 under hybridization conditions of hybridization solution containing 10% dextrane sulfate, 1 M NaCl, 1 % SDS (sodium dodecyl sulfate) and 5 x 10 (to the power of 6) cpm 32P labeled probe, at 65 degrees Centigrade, with a final wash solution of 1 x SSC (saline sodium chloride) and 0.1 % SDS and final wash at 50 degrees Centigrade;
- (9) an expression vector including the isolated regulatory element of (7);
- (10) a method of **increasing** a level of a monosaccharide in a tissue of a solanaceae plant, comprising the step of integrating into a genome of the solanaceae plant a polynucleotide including a nucleic acid sequence of S8, where the polynucleotide is integrated into a specific site of chromosome 9 of the solanaceae plant via homologous recombination; and
- (11) a method for determining whether fruits to be produced from solanaceae seeds or solanaceae seedling will contain an amount of monosaccharides above a predetermined threshold, comprising the step of detecting the presence or absence of a nucleic acid sequence having the sequence of S8 in genomic DNA derived from the solanaceae seeds or solanaceae seedling.

ACTIVITY - No biological data given.

MECHANISM OF ACTION - None given.

No biological data given.

USE - The polynucleotides are useful for **increasing** the monosaccharide content of plants **transformed** with these polynucleotides.

pp; 97 DwgNo 0/15

Title Terms: NUCLEIC; ACID; COMPRISE; GENOME; COMPLEMENTARY; COMPOSITE; SEQUENCE; ENCODE; POLYPEPTIDE; INVERTASE; ACTIVE; ENVIRONMENT; USEFUL; INCREASE; CONTENT; PLANT

Derwent Class: C06; D16; P13

International Patent Class (Main): C12N-005/04

International Patent Class (Additional): A01H-005/00; C12N-015/29; C12N-015/82

File Segment: CPI; EngPI

13/5/15 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013889204  
WPI Acc No: 2001-373417/200139  
XRAM Acc No: C01-114012  
XRPX Acc No: N01-273107

**Photographic element useful in color printing comprises at least four separately sensitized imaging layers**

Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: BEGLEY W J; EDWARDS J L  
Number of Countries: 029 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6197489	B1	20010306	US 99473923	A	19991228	200139 B
EP 1116995	A2	20010718	EP 2000204571	A	20001218	200142
JP 2001194755	A	20010719	JP 2000398606	A	20001227	200145
CN 1308253	A	20010815	CN 2000138094	A	20001228	200174

Priority Applications (No Type Date): US 99473923 A 19991228

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6197489	B1		35	G03C-001/73	
EP 1116995	A2	E		G03C-007/30	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

JP 2001194755	A	56	G03C-007/20
CN 1308253	A		G03C-001/46

Abstract (Basic): US 6197489 B1

NOVELTY - A color photographic element comprises first layer having a cyan image dye-forming coupler, second layer having magenta image dye-forming coupler, third layer having yellow image dye-forming coupler, and fourth layer having fourth image dye-forming coupler.

DETAILED DESCRIPTION - A color photographic element comprises at least four separately sensitized imaging layers containing:

- (a) a first light sensitive silver halide imaging layer having a cyan image dye-forming coupler;
- (b) a second light sensitive silver halide imaging layer having a magenta image dye-forming coupler;
- (c) a third light sensitive silver halide imaging layer having a yellow image dye-forming coupler; and
- (d) a fourth light sensitive silver halide imaging layer having a fourth image dye-forming coupler.

The normalized spectral transmission density distribution curve of the dye formed by the fourth image dye-forming coupler on reaction with a color developer has a CIELAB hue angle (hab) from 225 - 310degrees.

An INDEPENDENT CLAIM is also included for forming an image in an element, after the element is imagewise exposed to light and further contacted with a color-developing compound (preferably para-phenylene diamine).

USE - In color printing e.g. paper prints, display transparencies and motion picture prints.

ADVANTAGE - The element provides a greater color gamut and improved accuracy of color reproduction.

pp; 35 DwgNo 0/0

Title Terms: PHOTOGRAPH; ELEMENT; USEFUL; PRINT; COMPRISE; FOUR; SEPARATE; IMAGE; LAYER

Derwent Class: E24; G06; P83

International Patent Class (Main): G03C-001/46; G03C-001/73; G03C-007/20; G03C-007/30

International Patent Class (Additional): G03C-001/035; G03C-001/09; G03C-001/12; G03C-001/79; G03C-007/34; G03C-007/38; G03C-007/407

File Segment: CPI; EngPI

13/5/16 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013510126 \*\*Image available\*\*  
WPI Acc No: 2000-682072/200067  
XRPX Acc No: N00-505000

Automatic winder for thread, has modification units which change  
rotational speed of package or vane transverse apparatus based on  
comparison result from comparison unit

Patent Assignee: MURATA KIKAI KK (MURK )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000255897	A	20000919	JP 9960167	A	19990308	200067 B

Priority Applications (No Type Date): JP 9960167 A 19990308

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000255897	A	8	B65H-054/38	

Abstract (Basic): JP 2000255897 A

NOVELTY - A calculation unit (45) is provided for determining the actual number of winds (X) per revolution of package by dividing revolution number of package and transverse apparatus as A/B. The determined actual number of winds (X) is compares with preset value of jump setting winds (Y) and accordingly either the revolution speed of package (6) or apparatus (16) is modified by modification units (26,27,39,47).

DETAILED DESCRIPTION - A thread (5) is transversely wound on a package (6) by a vane transverse apparatus (16). The revolution number (A) of package, is detected by sensor (42). The revolution number (B) of transverse apparatus, is detected by another sensor (43). A comparison unit (46) compares the X and Y values.

USE - For winding of threads.

ADVANTAGE - Avoids the ribbon winding of threads on package without stoppage of winding operation as the rotation speeds of transverse apparatus and packages are maintained at a predetermined value. Obtains the package of the random winding without ribbon. Enhances realization of transmission of 2 - step type with simple mechanical component.

DESCRIPTION OF DRAWING(S) - The figure shows perspective view of an automatic winder of threads.

Thread (5)

Package (6)

Vane transverse apparatus (16)

Modification units (26,27,39,47)

Sensors (42,43)

Calculation unit (45)

Comparison unit (46)

pp; 8 DwgNo 1/8

Title Terms: AUTOMATIC; WIND; THREAD; MODIFIED ; UNIT; CHANGE ; ROTATING;  
SPEED; PACKAGE ; VANE; TRANSVERSE; APPARATUS; BASED; COMPARE; RESULT;  
COMPARE; UNIT

Derwent Class: Q36; T06; X25

International Patent Class (Main): B65H-054/38

International Patent Class (Additional): B65H-054/28

File Segment: EPI; EngPI

13/5/17 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

013251506  
WPI Acc No: 2000-423389/200036  
Related WPI Acc No: 2000-423390

XRAM Acc No: C00-128208

**Polymer clay nanocomposite used for packaging and containers for food, drink and medicines comprising melt-processable matrix polymer and mixture of swellable layered clay materials**

Patent Assignee: EASTMAN CHEM CO (EACH ); BARBEE R B (BARB-I); GILMER J W (GILM-I); LAN T (LANT-I); MATAYABAS J C (MATA-I); PSIHOGIOS V (PSHI-I)

Inventor: BARBEE R B; GILMER J W; LAN T; MATAYABAS J C; PSIHOGIOS V; PSIHOGIOS V

Number of Countries: 026 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200034375	A1	20000615	WO 99US28340	A	19991130	200036 B
AU 200018370	A	20000626	AU 200018370	A	19991130	200045
US 20020022678	A1	20020221	US 98111074	P	19981207	200221
			US 99452821	A	19991201	

Priority Applications (No Type Date): US 98111074 P 19981207; US 99452821 A 19991201

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200034375	A1	E	42	C08K-007/00	
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Designated States (National): AU BR CA CN IN JP MX

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 200018370	A		C08K-007/00	Based on patent WO 200034375
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US 20020022678	A1		C08F-002/00	Provisional application US 98111074
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Abstract (Basic): WO 200034375 A1

NOVELTY - A polymer-clay nanocomposite comprises: (i) a melt-processable matrix polymer, and incorporated therein (ii) a mixture of at least **two** swellable **layered** clay materials.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(a) an article prepared from the above nanocomposite; and

(b) preparation of the polymer-clay nanocomposite by (i) preparing a mixture of at least **two** swellable **layered** clay materials; and (ii) incorporating the mixture with a matrix polymer by melt processing the matrix polymer with the mixture to form a polymer-clay nanocomposite.

USE - The nanocomposite is used to form articles in the form of film, sheet, preform, profile, extruded article, molded article or molded container. It may be in the form of a bottle. They form articles and containers and are ideally suitable for protecting consumable products such as food, drink and medicines. They can be used in multilayer bottles and containers, including beer bottles.

ADVANTAGE - The nanocomposites have improved gas barrier properties and have improved clarity.

pp; 42 DwgNo 0/0

Title Terms: POLYMER; CLAY; **PACKAGE** ; CONTAINER; FOOD; DRINK; MEDICINE; COMPRISE; MELT; PROCESS; MATRIX; POLYMER; MIXTURE; SWELLING; LAYER; CLAY; MATERIAL

Derwent Class: A18; A28; A60; A92; B07; E19

International Patent Class (Main): C08F-002/00; C08K-007/00

International Patent Class (Additional): B32B-015/02; C08K-003/34;

C08K-009/04; C08K-011/00

File Segment: CPI

13/5/18 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013111725

WPI Acc No: 2000-283596/200024

XRAM Acc No: C00-085708

XRFX Acc No: N00-213397

**Isolated pineapple mealybug wilt virus proteins and polypeptides, useful for protecting pineapples against the virus**

Patent Assignee: UNIV FLORIDA (UYFL ); UNIV HAWAII (UYHA-N)



Inventor: DAWSON W O; HU J S; KARASEV A V; MELZER M

Number of Countries: 084 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200017372	A2	20000330	WO 99US22152	A	19990922	200024 B
AU 9961611	A	20000410	AU 9961611	A	19990922	200035

Priority Applications (No Type Date): US 98101461 P 19980923

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200017372 A2 E 110 C12N-015/82

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9961611 A C12N-015/82 Based on patent WO 200017372

Abstract (Basic): WO 200017372 A2

NOVELTY - An isolated protein (I) (or polypeptide) of a pineapple mealybug wilt virus, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) an isolated DNA molecule (II) encoding (I);
- (2) an expression system comprising (II);
- (3) a host cell **transformed** with (II);
- (4) a transgenic plant (pineapple) cultivar comprising (II);
- (5) a method of imparting pineapple mealybug wilt virus resistance to a pineapple cultivar comprising **transforming** with (II); and
- (6) a method for detection of pineapple mealybug wilt virus in a sample comprising contacting the sample with a probe (which is (II)), in a nucleic acid hybridization assay.

ACTIVITY - Antiviral.

MECHANISM OF ACTION - Gene therapy.

USE - (I) and (II) are useful for protecting pineapples against pineapple mealy bug virus.

pp; 110 DwgNo 0/0

Title Terms: ISOLATE; PINEAPPLE; WILT; VIRUS; PROTEIN; USEFUL; PROTECT;  
PINEAPPLE; VIRUS

Derwent Class: C06; D16; P13

International Patent Class (Main): C12N-015/82

International Patent Class (Additional): A01H-005/00; C07K-014/08;

C12N-009/00; C12N-009/12; C12Q-001/68

File Segment: CPI; EngPI

13/5/19 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013033886

WPI Acc No: 2000-205737/200018

XRAM Acc No: C00-063517

XRPX Acc No: N00-153040

**Detecting, diagnosing, monitoring, staging, prognosticating, imaging and treating breast cancer using protein product of breast specific genes**

Patent Assignee: DIADEXUS LLC (DIAD-N)

Inventor: CAFFERKEY R; RECIPON H; SUN Y

Number of Countries: 022 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200008210	A1	20000217	WO 99US16811	A	19990722	200018 B
EP 1105528	A1	20010613	EP 99935898	A	19990722	200134
			WO 99US16811	A	19990722	

Priority Applications (No Type Date): US 9895232 P 19980804

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200008210 A1 E 45 C12Q-001/68

Designated States (National): CA JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

EP 1105528 A1 E C12Q-001/68 Based on patent WO 200008210

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE

Abstract (Basic): WO 200008210 A1

NOVELTY - Detecting, diagnosing, monitoring, staging or prognosticating breast cancer (BC), comprises measuring the levels of breast specific gene (BSG) products in cells, tissues or body fluids of the patient and comparing the measured levels of BSG, with BSG levels of a normal human control.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) diagnosing (M1) the presence of BC in a patient comprises measuring the level of BSG in cells, tissues or body fluids of the patient and comparing measured levels of BSG with BSG levels in normal human control. Any **change** in the measured levels of BSG in the patient versus normal human control is associated with presence of BC;

(2) diagnosing (M2) metastatic BC in a patient having BC involves identifying a patient having BC that is not known to have metastasized and measuring the levels of BSG in cells, tissues or body fluids of the patient and comparing measured levels of BSG with BSG levels in normal human control. Any **change** in the measured levels of BSG in the patient versus normal human control is associated with presence of cancer which has metastasized;

(3) staging (M3) BC in a patient comprises identifying a patient having BC measuring the level of BSG in cells, tissues or body fluids of the patient and comparing measured levels of BSG with BSG levels in normal human control. Any **change** in the measured levels of BSG in the patient versus normal human control is associated with a cancer which is progressing or regressing or in remission;

(4) monitoring (M4) BC, in a patient having BC for the onset of metastasis comprises identifying the patient having BC that is not known to have metastasized and periodically measuring the level of BSG in cells, tissues or body fluids of the patient and comparing measured levels of BSG with BSG levels in normal human control. Any **change** in the measured levels of BSG in the patient versus normal human control is associated with a cancer which has metastasized;

(5) monitoring (M5) the **change** in stage of BC in a patient having BC, comprises identifying the patient having BC and periodically measuring the level of BSG in cells, tissues or body fluids of the patient and comparing measured levels of BSG with BSG levels in normal human control and **change** in the measured levels of BSG in the patient versus normal human control is associated with a cancer which is progressing in stage, which is regressing in stage or in remission, and

(6) an antibody (I) against BSG comprising Mam001, Mam005, Mam004 which have a fully defined sequence of 1066 (S1), 649 (S2) and 388 (S3) nucleotides (given in specification), respectively.

USE - For detecting, diagnosing, monitoring, staging, prognosticating breast cancer (BC). (I) is labeled with paramagnetic ions such as Gadlinium (III) or Manganese (II), a radioisotope such as Indium-111, Technetium-99m or Iodine-131, or with Fluorine-19 for imaging BC in a patient by magnetic resonance imaging (MRI), single photon emission **computed** tomography (SPECT), positron emission tomography (PET), respectively. (I) conjugated to a cytotoxic agent, is also used for treating BC in a patient (claimed).

pp; 45 DwgNo 0/0

Title Terms: DETECT; DIAGNOSE; MONITOR; STAGE; IMAGE; TREAT; BREAST; CANCER  
; PROTEIN; PRODUCT; BREAST; SPECIFIC; GENE

Derwent Class: B04; D16; S03

International Patent Class (Main): C12Q-001/68

International Patent Class (Additional): A61K-016/00; C07H-021/04;

C12P-019/34; G01N-033/53

File Segment: CPI; EPI

13/5/20 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012900940

WPI Acc No: 2000-072776/200006

XRAM Acc No: C00-020907

**Biodegradable cards, easily cut and inscribed with a letter by  
embossing, with tensile and impact strength, softness and thermal  
resistance**

Patent Assignee: MITSUBISHI PLASTICS INC (MISD ); MITSUBISHI PLASTICS IND  
LTD (MISD )

Inventor: TAKAGI J; TERADA S

Number of Countries: 006 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9962710	A1	19991209	WO 99JP2911	A	19990531	200006 B
JP 2000141955	A	20000523	JP 98269628	A	19980924	200033
EP 1090747	A1	20010411	EP 99922618	A	19990531	200121
			WO 99JP2911	A	19990531	
US 6372331	B1	20020416	WO 99JP2911	A	19990531	200232
			US 2001701615	A	20010108	

Priority Applications (No Type Date): JP 98269628 A 19980924; JP 98154312 A  
19980603

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9962710	A1	J	29	B32B-027/36	
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Designated States (National): CA US

Designated States (Regional): DE FR GB

JP 2000141955	A		12	B42D-015/10	
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EP 1090747	A1	E		B32B-027/36	Based on patent WO 9962710
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Designated States (Regional): DE FR GB

US 6372331	B1			B32B-027/06	Based on patent WO 9962710
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Abstract (Basic): WO 9962710 A1

NOVELTY - A biodegradable card is made from a laminate comprising a core layer of poly(lactic acid) and a biodegradable aliphatic polyester having a glass transition (Tg) of not more than 0 degreesC as the main component, and over layers mainly of poly(lactic acid) and a biodegradable polyester having Tg not more than 0 degreesC.

DETAILED DESCRIPTION - A biodegradable card is made from a laminate comprising a core layer of 40-90 wt.% poly(lactic acid) and 60-10 wt.% a biodegradable aliphatic polyester having a glass transition (Tg) of not more than 0 degreesC as the main component, and over layers mainly of 60-100 wt.% poly(lactic acid) and 40-0 wt.% a biodegradable polyester having Tg not more than 0 degreesC, and the crystallinity values ((DELTA Hm-DELTA Hc)/DELTA Hm) in the core layer and over layer being not less than 0.9 and not less than 0.9, respectively, which are **calculated** from the heat of melting of crystal (DELTA Hm) of their poly(lactic acid) part observed in temperature **rising** and the heat of crystallization (DELTA Hc) of their poly(lactic acid) part generated through crystallization during temperature lowering.

INDEPENDENT CLAIMS are also included for (i) a core layer comprising 40-90 wt.% a poly(lactic acid) made from L-lactic acid and D-lactic acid in proportion of 100:0-94:6 or 6:94-0:100 and 40-90 wt.% of the polyester, with crystallinity value of at least 0.8; and (ii) an over layer comprising the above-defined poly(lactic acid) and polyester in similar proportion, with crystallinity value of at least 0.9.

USE - The biodegradable cards are e.g. useful for printing and decoration.

ADVANTAGE - Such cards are easily cut and inscribed with **letter** by embossing, with tensile and impact strength, softness and thermal resistance.

pp; 29 DwgNo 0/0

Title Terms: BIODEGRADABLE; CARD; EASY; CUT; INSCRIBE; **LETTER** ; EMOSS;

TENSILE; IMPACT; STRENGTH; SOFT; THERMAL; RESISTANCE  
Derwent Class: A84; P73; P76  
International Patent Class (Main): B32B-027/06; B32B-027/36; B42D-015/10  
International Patent Class (Additional): B32B-027/00; B32B-027/08;  
B42D-015/00  
File Segment: CPI; EngPI

13/5/21 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012866718 \*\*Image available\*\*  
WPI Acc No: 2000-038551/200003  
XRAM Acc No: C00-009825  
XRPX Acc No: N00-029106

**Composite electrolyte for rechargeable thin plate lithium batteries**  
Patent Assignee: DASGUPTA S (DASG-I); JACOBS J K (JACO-I); ELECTROFUEL INC  
(ELEC-N)

Inventor: DASGUPTA S; JACOBS J K  
Number of Countries: 028 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9954953	A1	19991028	WO 99CA276	A	19990330	200003	B
AU 9930211	A	19991108	AU 9930211	A	19990330	200014	
BR 9909761	A	20001219	BR 999761	A	19990330	200103	
			WO 99CA276	A	19990330		
EP 1082776	A1	20010314	EP 99911546	A	19990330	200116	
			WO 99CA276	A	19990330		
CN 1298558	A	20010606	CN 99805295	A	19990330	200157	
EP 1082776	B1	20011010	EP 99911546	A	19990330	200167	
			WO 99CA276	A	19990330		
US 20010038948	A1	20011108	US 9882341	P	19980420	200171	
			US 98104277	A	19980625		
DE 69900347	E	20011115	DE 600347	A	19990330	200176	
			EP 99911546	A	19990330		
			WO 99CA276	A	19990330		
CA 2321431	C	20011204	CA 2321431	A	19990330	200203	
			WO 99CA276	A	19990330		
KR 2001072575	A	20010731	KR 2000711614	A	20001019	200209	
JP 2002512430	W	20020423	WO 99CA276	A	19990330	200243	
			JP 2000545210	A	19990330		

Priority Applications (No Type Date): US 98104277 A 19980625; US 9882341 P 19980420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9954953	A1	E	19	H01M-010/40	
					Designated States (National): AU BR CA CN IN JP KR SG
					Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
AU 9930211	A				Based on patent WO 9954953
BR 9909761	A			H01M-010/40	Based on patent WO 9954953
EP 1082776	A1	E		H01M-010/40	Based on patent WO 9954953
					Designated States (Regional): CH DE FR GB IE IT LI
CN 1298558	A			H01M-010/40	
EP 1082776	B1	E		H01M-010/40	Based on patent WO 9954953
					Designated States (Regional): CH DE FR GB IE IT LI
US 20010038948	A1			H01M-010/40	Provisional application US 9882341
DE 69900347	E			H01M-010/40	Based on patent EP 1082776
					Based on patent WO 9954953
CA 2321431	C	E		H01M-010/40	Based on patent WO 9954953
KR 2001072575	A			H01M-010/40	
JP 2002512430	W		17	H01M-010/40	Based on patent WO 9954953

Abstract (Basic): WO 9954953 A1  
NOVELTY - The composite electrolyte (22) comprises a porous inert

first laminate layer (separator laminate) (12) of a polymer and an adherent, continuous porous second layer of a polymer (14) containing a lithium compound having dissociable lithium ions forming a composite porous structure. The composite structure is impregnated with an organic liquid containing a dissolved lithium salt.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a rechargeable lithium battery containing the composite electrolyte.

USE - For rechargeable thin plate lithium batteries (claimed).

ADVANTAGE - A new composite electrolyte containing solid polymer layers in which the amount of dissociable lithium ions can be increased without **increasing** the thickness of the electrolyte, is obtained. The electrolyte has sufficient mechanical strength and integrity. The porous or microporous, inert separator laminate not only provides support for the solid polymer electrolyte layer but also carries a lithium ion containing solution in its pores and is wetted by the solution thereby **increasing** the number of lithium ions available for ionic conduction. The current the lithium battery can produce is substantially enhanced.

DESCRIPTION OF DRAWING(S) - The figure is the schematic cross-sectional drawing of lithium battery having composite electrolyte.

Lithium battery (10)  
Porous separator laminate (12)  
Porous second layer polymer (14)  
Organic lithium salt thin film (16,16')  
Electrode layers (18,18')  
Current collectors (20,20')  
Composite electrolyte (22)  
pp; 19 DwgNo 1/2

Title Terms: COMPOSITE; ELECTROLYTIC; RECHARGE; THIN; PLATE; LITHIUM; BATTERY

Derwent Class: A85; L03; X16

International Patent Class (Main): H01M-010/40

International Patent Class (Additional): H01M-002/16

File Segment: CPI; EPI

13/5/22 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011754002 \*\*Image available\*\*

WPI Acc No: 1998-170912/199816

Related WPI Acc No: 1999-182865; 2000-648677; 2001-001055

XRAM Acc No: C98-054697

XRPX Acc No: N98-135805

**Tension adjustment of web fed from roll supported on stationary shaft - using brake controlled in accordance with roll diameter, calculated from measured length of web**

Patent Assignee: YUYAMA SEISAKUSHO KK (YUYA-N); TANG SHAN SEISAKUSHO KK (TANG-N)

Inventor: AMANO H; ETOU N; NOSE H; YASUNAGA I; YUYAMA S

Number of Countries: 029 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 831048	A1	19980325	EP 97115567	A	19970908	199816 B
CA 2214597	A	19980320	CA 2214597	A	19970829	199833
TW 348165	A	19981221	TW 97113372	A	19970912	199921
KR 98024797	A	19980706	KR 9747867	A	19970920	199927
JP 11157715	A	19990615	JP 97257175	A	19970922	199934
JP 11222342	A	19990817	JP 97257175	A	19970922	199943
			JP 98340008	A	19970922	
US 5967445	A	19991019	US 97927320	A	19970911	199950
			US 98111477	A	19980708	
JP 2000159207	A	20000613	JP 98340008	A	19970922	200035
			JP 20005662	A	19970922	
JP 2000185857	A	20000704	JP 98340008	A	19970922	200037
			JP 200033185	A	19970922	

CA 2316091	A1	19980320	CA 2214597	A	19970829	200058
			CA 2316091	A	19970829	
CA 2316140	A1	19980320	CA 2214597	A	19970829	200058
			CA 2316140	A	19970829	
CN 1269318	A	20001011	CN 97119204	A	19970922	200103
			CN 2000106530	A	19970922	
JP 2000355306	A	20001226	JP 200033185	A	19970922	200105
			JP 2000166273	A	19970922	
US 6286780	B1	20010911	US 97927320	A	19970911	200154
			US 98111477	A	19980708	
			US 99315045	A	19990520	
			US 2000533436	A	20000323	
CN 1178765	A	19980415	CN 97119204	A	19970922	200220
CA 2214597	C	20020402	CA 2214597	A	19970829	200231
KR 310966	B	20011212	KR 9747867	A	19970920	200247

Priority Applications (No Type Date): JP 96250492 A 19960920; JP 97254891 A 19970919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 831048	A1	E	24	B65H-023/06	
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC NL PT RO SE SI

CA 2214597	A		B65H-023/08	
TW 348165	A		B65H-023/06	
KR 98024797	A		B65H-059/00	
JP 11157715	A	31	B65H-023/182	
JP 11222342	A	14	B65H-023/182	Div ex application JP 97257175
US 5967445	A		B65H-023/08	CIP of application US 97927320
JP 2000159207	A	15	B65B-041/00	Div ex application JP 98340008
JP 2000185857	A	15	B65H-023/182	Div ex application JP 98340008
CA 2316091	A1	E	B65H-023/08	Div ex application CA 2214597
CA 2316140	A1	E	B65H-023/08	Div ex application CA 2214597
CN 1269318	A		B65H-023/06	Div ex application CN 97119204
JP 2000355306	A	13	B65B-041/16	Div ex application JP 200033185
US 6286780	B1		B65H-016/04	CIP of application US 97927320
				Div ex application US 98111477
				Div ex application US 99315045
				Div ex patent US 5967445
CN 1178765	A		B65H-023/18	
CA 2214597	C	E	B65H-023/08	
KR 310966	B		B65H-059/00	Previous Publ. patent KR 98024797

Abstract (Basic): EP 831048 A

Tension of a web (S) fed from a roll (R) supported on a stationary shaft is **adjusted** by controlling the braking force applied to the roll at (20, 21, 23), in accordance with the diameter of the roll which is estimated from the measured (31) length of the web fed from the roll, the original length of the web stored on the roll, and the thickness of the web. The braking force is **varied** in a **step**-wise manner. In an alternative form the web length fed from the roll is measured (31), together with the angular rotation (26) of the roll (R), and the web length remaining on the roll **calculated** by use of either measurement to determine the roll diameter, to control the braking force. Also claimed are a method and apparatus, using the above system.

USE - The apparatus may be used, e.g. in a drug packaging machine in which the drugs are packed in envelopes (W) formed from a folded paper web (S).

ADVANTAGE -The system provides a continuous control of the tension in the web, to provide uniform tension and size of **package**.

Dwg.3/13

Title Terms: TENSION; **ADJUST** ; WEB; FEED; ROLL; SUPPORT; STATIONARY; SHAFT ; BRAKE; CONTROL; ACCORD; ROLL; DIAMETER; **CALCULATE** ; MEASURE; LENGTH; WEB

Derwent Class: B07; Q31; Q36; T06; X25

International Patent Class (Main): B65B-041/00; B65B-041/16; B65H-016/04; B65H-023/06; B65H-023/08; B65H-023/18; B65H-023/182; B65H-059/00

International Patent Class (Additional): B65B-001/30; B65B-009/06; B65B-011/06; B65B-043/04; B65B-047/02; B65H-023/188; B65H-026/06

13/5/23 (Item 16 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011694445 \*\*Image available\*\*  
WPI Acc No: 1998-111355/199811  
XRPX Acc No: N98-089170

Usage optimisation for data packet transmission system - executing two - stage scheduling, if necessary, according to identifier in header of data packet, where scheduling arrangement is provided more than once, if necessary, and preceding scheduling arrangement is provided only once

Patent Assignee: SIEMENS AG (SIEI )

Inventor: BRIEM U

Number of Countries: 022 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19630919	A1	19980205	DE 1030919	A	19960731	199811 B
WO 9806231	A1	19980212	WO 97DE1501	A	19970716	199813
AU 9738459	A	19980225	AU 9738459	A	19970716	199829
EP 916231	A1	19990519	EP 97935431	A	19970716	199924
			WO 97DE1501	A	19970716	
AU 715561	B	20000203	AU 9738459	A	19970716	200016
JP 2000500949	W	20000125	WO 97DE1501	A	19970716	200016
			JP 98507454	A	19970716	
EP 916231	B1	20020213	EP 97935431	A	19970716	200212
			WO 97DE1501	A	19970716	
DE 59706398	G	20020321	DE 506398	A	19970716	200221
			EP 97935431	A	19970716	
			WO 97DE1501	A	19970716	

Priority Applications (No Type Date): DE 1030919 A 19960731

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19630919	A1		7	H04L-029/02	
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WO 9806231	A1 G	21		H04Q-011/04	
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Designated States (National): AU CA JP US

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

AU 9738459	A			H04Q-011/04	Based on patent WO 9806231
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EP 916231	A1 G			H04Q-011/04	Based on patent WO 9806231
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Designated States (Regional): AT BE CH DE DK ES FR GB IT LI SE

AU 715561	B			H04Q-011/04	Previous Publ. patent AU 9738459
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Based on patent WO 9806231

JP 2000500949	W	24		H04L-012/28	Based on patent WO 9806231
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EP 916231	B1 G			H04Q-011/04	Based on patent WO 9806231
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Designated States (Regional): AT BE CH DE DK ES FR GB IT LI SE

DE 59706398	G			H04Q-011/04	Based on patent EP 916231
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Based on patent WO 9806231

Abstract (Basic): DE 19630919 A

The method involves optimizing the use of connection sections in systems, in which information is transferred in data **packages** . A scheduling method is executed in a scheduling arrangement (S2), to guarantee connecting parameters of the data **packages** during the transfer process, and an identifier (QID) is placed in the header of the data packet. A **two - stage** scheduling method is executed, if necessary, according to the identifier.

The scheduling arrangement is provided more than once, if necessary, and a preceding scheduling arrangement is provided only once. The first **stage** of the **two - stage** scheduling method pref. performs a limitation of the connection parameters, and the second stage pref. performs a weighted fair queuing scheduling **algorithm** .

ADVANTAGE - Enables **modification** of weighted fair queuing scheduling method to assure optimal transmission. Enables **adjustment** of lower and upper cell rate limit.

Dwg.1/3

Title Terms: OPTIMUM; DATA; PACKET; TRANSMISSION; SYSTEM; EXECUTE; TWO;  
STAGE; SCHEDULE; NECESSARY; ACCORD; IDENTIFY; HEADER; DATA; PACKET;  
SCHEDULE; ARRANGE; MORE; NECESSARY; PRECEDE; SCHEDULE; ARRANGE  
Index Terms/Additional Words: ATM  
Derwent Class: T01; W01  
International Patent Class (Main): H04L-012/28; H04L-029/02; H04Q-011/04  
International Patent Class (Additional): G06F-013/42; H04L-012/56;  
H04M-003/00; H04Q-003/00  
File Segment: EPI

13/5/24 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011225175 \*\*Image available\*\*

WPI Acc No: 1997-203100/199718

XRPX Acc No: N97-167778

User authentication method for e.g. credit card, cash card and banking transactions - involves using number of security levels each level having several encryption algorithms and each increasing level providing encryption algorithms of increasing complexity and sophistication

Patent Assignee: TELEFONAKTIEBOLAGET ERICSSON L M (TELF ); ERICSSON  
TELEPHONES LTD (TELF )

Inventor: KHELLO R; KHELLO R P

Number of Countries: 076 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9711443	A1	19970327	WO 96SE1157	A	19960918	199718 B
AU 9670052	A	19970409	AU 9670052	A	19960918	199731
US 5724423	A	19980303	US 95529405	A	19950918	199816
EP 852044	A1	19980708	EP 96931348	A	19960918	199831
			WO 96SE1157	A	19960918	
BR 9610652	A	19990217	BR 9610652	A	19960918	199914
			WO 96SE1157	A	19960918	
CN 1201545	A	19981209	CN 96198142	A	19960918	199917
AU 705145	B	19990513	AU 9670052	A	19960918	199930
JP 11514467	W	19991207	WO 96SE1157	A	19960918	200008
			JP 97512640	A	19960918	
MX 9801993	A1	19980801	MX 981993	A	19980313	200014
KR 99045773	A	19990625	WO 96SE1157	A	19960918	200036
			KR 98702018	A	19980318	
TW 384593	A	20000311	TW 96111529	A	19960920	200052
EP 852044	B1	20011128	EP 96931348	A	19960918	200201
			WO 96SE1157	A	19960918	
DE 69617447	E	20020110	DE 617447	A	19960918	200211
			EP 96931348	A	19960918	
			WO 96SE1157	A	19960918	
ES 2168503	T3	20020616	EP 96931348	A	19960918	200246

Priority Applications (No Type Date): US 95529405 A 19950918

Cited Patents: EP 112944; FR 2582421; GB 2019060; GB 2020513; US 4023013;  
US 4856062; US 5060263; WO 9207436

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9711443 A1 E 57 G07F-007/10

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ  
VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE  
LS LU MC MW NL OA PT SD SE SZ UG

AU 9670052 A Based on patent WO 9711443

US 5724423 A 24 H04K-001/00

EP 852044 A1 E Based on patent WO 9711443

Designated States (Regional): CH DE ES FI FR GB GR IT LI SE



BR 9610652 A Based on patent WO 9711443  
 AU 705145 B Previous Publ. patent AU 9670052  
 Based on patent WO 9711443  
 JP 11514467 W 59 G06F-015/00 Based on patent WO 9711443  
 MX 9801993 A1 G07F-007/10  
 KR 99045773 A G07F-007/10 Based on patent WO 9711443  
 TW 384593 A H04L-009/32  
 EP 852044 B1 E G07F-007/10 Based on patent WO 9711443  
 Designated States (Regional): CH DE ES FI FR GB GR IT LI SE  
 DE 69617447 E G07F-007/10 Based on patent EP 852044  
 Based on patent WO 9711443  
 ES 2168503 T3 G07F-007/10 Based on patent EP 852044

Abstract (Basic): WO 9711443 A

The method involves entering, by a user, a personal identification type number (PIN) using a portable terminal device which encodes the PIN. A character position of the user's PIN is determined, and a random code having a length selectable at each service transaction by the user is generated. The user's PIN is encrypted using one of several available, pseudo-randomly encrypting **algorithms** to provide an encrypted PIN. The encrypted PIN is then combined with the code at the determined position before being transmitted over a communications network.

When received, the encoded PIN is decoded using an analogous procedure to determine if the user is authorized. A number of security levels are provided with each **level** having **several** encryption **algorithms** and with each **increasing** level providing encryption **algorithms** of **increasing** complexity and sophistication.

USE/ADVANTAGE - Also for telecommunication services including long distance telephone calls, voice **mail**, facsimile **mail**, interactive voice response and data communication. Provides highly reliable and secure user authentication that does not require user to memorize long sequence of digits in elongated PIN code or other sequence of PIN codes or bulky scrambling terminal. Ability to detect fraudulent attempts to misappropriate user's PIN and notify user as well as service provider of fraudulent attempts. Allows user to **change** current PIN from portable device without having to contact service center.

Dwg.3/12

Title Terms: USER; AUTHENTICITY; METHOD; CREDIT; CARD; CASH; CARD; BANK; TRANSACTION; NUMBER; SECURE; LEVEL; LEVEL; ENCRYPTION; **ALGORITHM**; INCREASE; LEVEL; ENCRYPTION; **ALGORITHM**; INCREASE; COMPLEX

Derwent Class: T01; T05; W01; W02

International Patent Class (Main): G06F-015/00; G07F-007/10; H04K-001/00; H04L-009/32

International Patent Class (Additional): G07C-009/00

File Segment: EPI

13/5/25 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010849544 \*\*Image available\*\*

WPI Acc No: 1996-346497/199635

XRPX Acc No: N96-291789

**Orthogonal calculating unit for orthogonal- transformation image encoder - has transposition circuit provided between two stage circuit which performs butterfly operation of discrete cosine transform operation result for two fields**

Patent Assignee: SONY CORP (SONY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8161296	A	19960621	JP 94330138	A	19941206	199635 B

Priority Applications (No Type Date): JP 94330138 A 19941206

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8161296	A	15	G06F-017/14	

Abstract (Basic): JP 8161296 A

The appts. has a first stage circuit (1) which consists of a first pre-butterfly circuit, a first discrete cosine **transform** operation circuit and a first **mailbox** butterfly circuit. It also has a second **stage** circuit ( 2 ) which includes a second pre butterfly circuit, a second DCT operation circuit and a second **mailbox** butterfly circuit.

A transposition circuit (3) between the first and second stage circuit performs the butterfly operation of the DCT operation result for two fields is added in the second **mailbox** butterfly circuit. The DCT operation result is then return to the first pre butterfly circuit at the DCT operation result for every result.

USE/ADVANTAGE - Use in encoding image data and effective for compressing video signal. Reduces size of circuit because it does not need butterfly circuit to be added in case butterfly operation of DCT operation result is performed between fields.

Dwg.1/13

Title Terms: ORTHOGONAL; **CALCULATE** ; UNIT; ORTHOGONAL; **TRANSFORM** ; IMAGE; ENCODE; TRANSPOSE; CIRCUIT; TWO; STAGE; CIRCUIT; PERFORMANCE; BUTTERFLY; OPERATE; DISCRETE; COSINE; **TRANSFORM** ; OPERATE; RESULT; TWO; FIELD

Derwent Class: T01; U21; W04

International Patent Class (Main): G06F-017/14

International Patent Class (Additional): H03M-007/30; H04N-007/30

File Segment: EPI

13/5/26 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010012599 \*\*Image available\*\*

WPI Acc No: 1994-280310/199435

Related WPI Acc No: 1995-157069; 1995-225836; 1995-294609; 1995-383239;

1996-097792; 1996-260111; 1996-260116; 1996-278120; 1997-119282

XRFX Acc No: N94-220925

**Multifunction communication system for use with personal computer - includes packet protocol for communications between software components running on personal computer and local hardware components over serial communications link**

Patent Assignee: SHARMA R (SHAR-I); MULTI-TECH SYSTEMS INC (MULT-N)

Inventor: DAVIS J P; GUNN T D; LI P; MAITRA S; SHARMA R; THANAWALA A; YOUNG S

Number of Countries: 020 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2104701	A	19940709	CA 2104701	A	19930824	199435 B
EP 630141	A2	19941221	EP 93403164	A	19931223	199504
US 5452289	A	19950919	US 932467	A	19930108	199543
US 5471470	A	19951128	US 932467	A	19930108	199602
			US 94289294	A	19940811	
US 5500859	A	19960319	US 932467	A	19930108	199617
			US 94289304	A	19940811	
EP 630141	A3	19960703	EP 93403164	A	19931223	199636
US 5559793	A	19960924	US 932467	A	19930108	199644
			US 94289305	A	19940811	
US 5574725	A	19961112	US 932467	A	19930108	199651
			US 94289295	A	19940811	
US 5577041	A	19961119	US 932467	A	19930108	199701
			US 94289294	A	19940811	
			US 95488183	A	19950607	
US 5592586	A	19970107	US 932467	A	19930108	199708
			US 94289297	A	19940811	
US 5600649	A	19970204	US 932467	A	19930108	199711
			US 95527849	A	19950914	
US 5673257	A	19970930	US 932467	A	19930108	199745
			US 95428904	A	19950425	
US 5673268	A	19970930	US 932467	A	19930108	199745
			US 94289296	A	19940811	

JP 9238200	A	19970909	JP 93251131	A	19930913	199746
US 5764627	A	19980609	US 932467	A	19930108	199830
			US 95488183	A	19950607	
			US 96636582	A	19960423	
US 5790532	A	19980804	US 932467	A	19930108	199838
			US 95527952	A	19950914	

Priority Applications (No Type Date): US 932467 A 19930108; US 94289294 A 19940811; US 94289304 A 19940811; US 94289305 A 19940811; US 94289295 A 19940811; US 95488183 A 19950607; US 94289297 A 19940811; US 95527849 A 19950914; US 95428904 A 19950425; US 94289296 A 19940811; US 96636582 A 19960423; US 95527952 A 19950914

Cited Patents: Jnl.Ref; EP 429054; EP 443548; EP 488685; US 34034; US 4740963; US 4912756; WO 9107044; WO 9220028

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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CA 2104701	A		161	H04L-005/22	
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EP 630141	A2 E		99	H04M-003/42	
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

US 5452289	A		79	H04B-003/23	
US 5471470	A		79	H04J-003/17	Div ex application US 932467
US 5500859	A		81	H04J-003/17	Div ex application US 932467
					Div ex patent US 5452289
US 5559793	A		80	H04B-003/23	Div ex application US 932467
					Div ex patent US 5452289
US 5574725	A		80	H04J-003/12	Div ex application US 932467
					Div ex patent US 5452289
US 5577041	A		80	H04M-011/00	Cont of application US 932467
					Div ex application US 94289294
					Cont of patent US 5452289
					Div ex patent US 5471470
US 5592586	A		79	G10L-009/00	Div ex application US 932467
					Div ex patent US 5452289
US 5600649	A		80	H04J-003/17	Div ex application US 932467
					Div ex patent US 5452289
US 5673257	A		79	H04B-003/23	Div ex application US 932467
					Div ex patent US 5452289
US 5673268	A		79	H04J-003/12	Div ex application US 932467
					Div ex patent US 5452289
JP 9238200	A		61	H04M-011/00	
US 5764627	A			H04M-001/00	Cont of application US 932467
					Cont of application US 95488183
					Cont of patent US 5452289
					Cont of patent US 5577041
US 5790532	A			H04J-003/16	Div ex application US 932467
					Div ex patent US 5452289

EP 630141	A3			H04L-005/22	
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Abstract (Basic): CA 2104701 A

The system has a communications module connected to the personal computer. The personal computer executes software to communicate with the communications module through the communications interface and is operable for initiating a telephone call to a remote site in response to the commands by the local user. It causes the main controller of the communications module to perform multiplexing and demultiplexing.

The personal computer is further operable for receiving and storing the incoming digital data received from the communications module over the communications interface and for transmitting the outgoing digital data to the communications module over the communications interface.

ADVANTAGE - Provides travelling user complete freedom to use his or her moving vehicle as true travelling office.

Dwg.3/57

Title Terms: MULTIFUNCTION; COMMUNICATE; SYSTEM; PERSON; COMPUTER; PACKET; PROTOCOL; COMMUNICATE; SOFTWARE; COMPONENT; RUN; PERSON; COMPUTER; LOCAL; HARDWARE; COMPONENT; SERIAL; COMMUNICATE; LINK

Index Terms/Additional Words: DIGITISED; VOICE; FACSIMILE

Derwent Class: P86; T01; U21; W01; W02

International Patent Class (Main): G10L-009/00; H04B-003/23; H04J-003/12;

H04J-003/16; H04J-003/17; H04L-005/22; H04M-001/00; H04M-003/42;  
H04M-011/00  
International Patent Class (Additional): G06F-013/00; G06F-015/20;  
H04B-003/00; H04M-011/06; H04N-001/00  
File Segment: EPI; EngPI

13/5/27 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009755045 \*\*Image available\*\*  
WPI Acc No: 1994-034896/199404  
XRPX Acc No: N94-027188

Supply of wrapping material esp. to sweetmeat packaging machine - is  
adjusted during each machine cycle with speed regulation of rotary blade  
and traction rollers of known dia

Patent Assignee: PACTEC DRESDEN GMBH (PACT-N); PACTEC VERPACKUNGSMASCHINEN  
FAB THEEGART (PACT-N); PACTEC VERPACKUNGSMASCH THEEGARTEN GMBH & CO KG  
(PACT-N)

Inventor: MOECKEL W; SICKERT M

Number of Countries: 019 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9401328	A1	19940120	WO 93EP1762	A	19930707	199404 B
DE 4222203	A1	19940127	DE 4222203	A	19920707	199405
DE 4222203	C2	19940505	DE 4222203	A	19920707	199416
EP 648177	A1	19950419	EP 93915826	A	19930707	199520
			WO 93EP1762	A	19930707	
JP 7509204	W	19951012	WO 93EP1762	A	19930707	199549
			JP 94502951	A	19930707	
EP 648177	B1	19970115	EP 93915826	A	19930707	199708
			WO 93EP1762	A	19930707	
DE 59305163	G	19970227	DE 505163	A	19930707	199714
			EP 93915826	A	19930707	
			WO 93EP1762	A	19930707	
BR 9306681	A	19981208	BR 936681	A	19930707	199903
			WO 93EP1762	A	19930707	

Priority Applications (No Type Date): DE 4222203 A 19920707

Cited Patents: GB 2204717; GB 2213456; US 4525977

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9401328	A1	G	27	B65B-041/16	
Designated States (National): BR JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
DE 4222203	C2		7	B65B-041/12	
EP 648177	A1	G	27	B65B-041/16	Based on patent WO 9401328
Designated States (Regional): CH DE GB IT LI NL					
JP 7509204	W		9	B65B-041/16	Based on patent WO 9401328
EP 648177	B1	G	14	B65B-041/16	Based on patent WO 9401328
Designated States (Regional): CH DE GB IT LI NL					
DE 59305163	G			B65B-041/16	Based on patent EP 648177
Based on patent WO 9401328					
BR 9306681	A			B65B-041/16	Based on patent WO 9401328
DE 4222203	A1			B65B-041/12	

Abstract (Basic): WO 9401328 A

The strip (1) of wrapping material drawn between rollers (4,4') from a supply reel (2) is cut by a blade (9) rotating on a shaft (8) and co-operating with a stationary blade (10). The length of each section is adjusted by a controller (20) operating on a servomotor (19) in response to signals from a shaft incremental encoder (13) and a scanner (15) of marks (5) on the strip.

The rotational speeds of the shaft and rollers are determined continuously during each working cycle with allowance for the dia. of the rollers and the desired length of sections.

ADVANTAGE - Disturbances and losses of wrapping material are avoided by rapid reaction in continuously running machine.

Dwg.1/3

Title Terms: SUPPLY; WRAP; MATERIAL; SWEETMEAT; **PACKAGE** ; MACHINE; **ADJUST** ; MACHINE; CYCLE; SPEED; REGULATE; ROTATING; BLADE; TRACTION; ROLL; DIAMETER

Derwent Class: Q31; X25

International Patent Class (Main): B65B-041/12; B65B-041/16

International Patent Class (Additional): B65B-057/12; B65B-061/08

File Segment: EPI; EngPI

13/5/28 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009391466 \*\*Image available\*\*

WPI Acc No: 1993-084945/199310

XRPX Acc No: N93-064946

**Device to weigh and register packaged products - has controlled step conveyor to pass products to lifting frame and uses processing unit to fix weight, total weight and cost**

Patent Assignee: AUTOMATION RES INST (AUTO-R)

Inventor: CHUKAVIN G T; SOKOLOV A M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1726995	A1	19920415	SU 4773760	A	19891225	199310 B

Priority Applications (No Type Date): SU 4773760 A 19891225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1726995	A1		8	G01G-019/413	

Abstract (Basic): SU 1726995 A

A microprocessor unit (15) carries out self-testing and extinguishes the indicators of a control unit (22) and a position sensor (9) registers presence of a product (51) on a platform (48) of a **step** conveyor. Motor ( 2 ) is started and a movable frame (53) is moved **upwards** and lifts the product (51), activating a sensor (8), which triggers a **calculation** unit (14), fixing the reading of scales (6). A sensor (7) is triggered by the next product (51), which is then weighed.

Data on the weight of the products is passed through a connection unit (18) and a control bus (16) to the microprocessing unit (15) and is recorded. The clean weight and the value of the product are then **calculated** and passed to a total weight indicator (28), to a product weight indicator (23) and to a value indicator (26). The step conveyor is controlled according to activation of the position sensors.

USE - Weighing and registration of **packaged** products.

Bul.14/15.4.92.

Dwg.1/4

Title Terms: DEVICE; WEIGH; REGISTER; **PACKAGE** ; PRODUCT; CONTROL; STEP; CONVEYOR; PASS; PRODUCT; LIFT; FRAME; PROCESS; UNIT; FIX; WEIGHT; TOTAL; WEIGHT; COST

Derwent Class: S02

International Patent Class (Main): G01G-019/413

File Segment: EPI

13/5/29 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009174573

WPI Acc No: 1992-302007/199237

Related WPI Acc No: 1993-078648

XRPX Acc No: N92-231022

Calculating appts. for large digital integers of cryptographic scheme  
e.g. RSA - subjects integers A, B and N to modular multiplication A and B  
mod N to obtain residue

Patent Assignee: CANON KK (CANO )

Inventor: IWAMURA K; YAMAMOTO T

Number of Countries: 016 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 502712	A2	19920909	EP 92301856	A	19920304	199237	B
JP 4276787	A	19921001	JP 9138664	A	19910305	199246	
JP 4277789	A	19921002	JP 9140115	A	19910306	199246	
JP 5068032	A	19930319	JP 91225986	A	19910905	199316	
US 5313530	A	19940517	US 92847672	A	19920304	199419	
US 5321752	A	19940614	US 92941236	A	19920904	199423	
EP 502712	A3	19940202	EP 92301856	A	19920304	199518	
EP 502712	B1	20000531	EP 92301856	A	19920304	200031	
DE 69231110	E	20000706	DE 631110	A	19920304	200039	
			EP 92301856	A	19920304		

Priority Applications (No Type Date): JP 91225986 A 19910905; JP 9138664 A 19910305; JP 9140115 A 19910306; JP 92124982 A 19920518

Cited Patents: No-SR.Pub; 5.Jnl.Ref; DE 3924344

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 502712	A2	E	56	G07F-007/10	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
JP 4276787	A		6	G09C-001/00	
JP 4277789	A		11	G09C-001/00	
JP 5068032	A			H04L-009/00	
US 5313530	A		45	H04L-009/30	
US 5321752	A		55	H04K-001/00	
EP 502712	A3			G07F-007/10	
EP 502712	B1	E		G06F-007/72	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69231110	E			G06F-007/72	Based on patent EP 502712

Abstract (Basic): EP 502712 A

The appts. for **calculating** a residue obtained by dividing a product of first and second integers by a third integer comprises a memory for holding values. The appts. further comprises a modular **multiplier** for **sequentially** receiving the first integer by a predetermined number of bits to multiply it into the second integer. The inputs from the memory and multiplier are added.

A portion of the input value supplied from the memory which is larger than the max. digit of the third integer is subjected to a **calculation** in which a residue is obtained. This residue is then transmitted to the memory.

USE/ADVANTAGE - E.g. for home banking, electronic **mail** services. Integers of large digits **calculated** at high speed. Reduced circuit size. Eliminates discrimination of intermediate result.

Dwg.11/28

Title Terms: **CALCULATE** ; APPARATUS; DIGITAL; INTEGER; CRYPTOGRAPHIC; SCHEME; SUBJECT; INTEGER; N; MODULE; MULTIPLICATION; N; OBTAIN; RESIDUE

Derwent Class: P85; T01; T05; W01

International Patent Class (Main): G06F-007/72; G07F-007/10; G09C-001/00; H04K-001/00; H04L-009/00; H04L-009/30

International Patent Class (Additional): G06F-007/52; G06F-012/14; H04L-009/06; H04L-009/10; H04L-009/12; H04L-009/14; H04L-009/32

File Segment: EPI; EngPI

13/5/30 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009048141 \*\*Image available\*\*

WPI Acc No: 1992-175512/199221

XRPX Acc No: N92-132337

**Automatic signature verification - using dynamic properties of  
signature to segment signature for shape analysis and for dynamic  
pattern matching**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT ); AT & T BELL  
LAB (AMTT ); AT & T CORP (AMTT )

Inventor: FAN J C; HASTIE T J; KISHON E; FAN J C S

Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5111512	A	19920505	US 91699867	A	19910514	199221 B
EP 514082	A2	19921119	EP 92304115	A	19920507	199247
CA 2066961	A	19921115	CA 2066961	A	19920423	199306
EP 514082	A3	19930602	EP 92304115	A	19920507	199404
CA 2066961	C	19960312	CA 2066961	A	19920423	199620
EP 514082	B1	19960821	EP 92304115	A	19920507	199638
DE 69212890	E	19960926	DE 612890	A	19920507	199644
			EP 92304115	A	19920507	

Priority Applications (No Type Date): US 91699867 A 19910514

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 150927; US 4128829; WO 8002080

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5111512	A		8		
EP 514082	A2	E	11	G07C-009/00	
				Designated States (Regional):	DE FR GB IT NL
EP 514082	B1	E	17	G07C-009/00	
				Designated States (Regional):	DE FR GB IT NL
DE 69212890	E			G07C-009/00	Based on patent EP 514082
CA 2066961	A			G06K-009/72	
CA 2066961	C			G06K-009/72	

Abstract (Basic): US 5111512 A

The method for verifying handwritten, human signatures, and for permitting access to a system if such a signature is accepted allows, in an initialising stage, an authorised entrants to submit a sample of multiple signatures. A first reference signature is selected from the sample, and a second reference signature is constructed by averaging over the sample.

When a subsequent, prospective entrant submits a signature, a **dynamic** mismatch is **calculated** with respect to the first reference signature, and a shape mismatch is **calculated** with respect to the second reference signature. The signature is accepted if it satisfies a predetermined criterion that refers to the **dynamic** and shape mismatch values.

ADVANTAGE - For establishing authority to complete automated transaction or gain control of computer or gain physical entry to protected area.

Dwg.2/2

Title Terms: AUTOMATIC; SIGNATURE; VERIFICATION; **DYNAMIC** ; PROPERTIES;  
SIGNATURE; SEGMENT; SIGNATURE; SHAPE; ANALYSE; **DYNAMIC** ; PATTERN; MATCH

Derwent Class: T04; T05

International Patent Class (Main): G06K-009/72; G07C-009/00

File Segment: EPI

13/5/31 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008833337 \*\*Image available\*\*

WPI Acc No: 1991-337354/199146

XRPX Acc No: N91-258329

**Wheel rotation sensor with microwave interferometer - has electronics  
mounted on wheel axle carrier with microwave transmission line conducting  
energy via probe**

Patent Assignee: ANONYMOUS (ANON )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Priority Applications (No Type Date): RD 91330046 A 19910920

Abstract (Basic): RD 330046 A

The wheel rotation sensor has a microwave phase sensitive interferometer in a 'field disturbance' mode. The electronics are mounted on the wheel axle carrier with a microwave transmission line conducting energy, via probe, into a cavity formed between the rough or toothed wheel and axle carrier. Due to RF wavelength and physical cavity dimensions, the RF energy does not readily propagate within the cavity. Moving objects, in proximity to the RF probe such as gear teeth are the dominate, **fluctuation** scatterers within the evanescent near field. Energy back scattered from target objects within the cavity is returned to the electronics **package** via the RF transmission line where it mixes with the local oscillator signal forming the phase conference difference frequency I and Q signals. The peripheral wheel **change** of position and the wheel rotation is **calculated** from the received IF signals knowing the observed diameter.

Angular **change** of wheel position =  $(\lambda \times \text{change of electrical phase}) / 720 \times \text{DIA} \times \pi$  in degrees =  $(\lambda \times \text{change of electrical phase}) / 4 \times \text{DIA} \times \pi$  in radians.

Direction of motion is determined by I or Q first leading edge transition, or sign of phase **change**. Wheel velocity is derived from the time rate of **change** of circumferential position. Where DIA is the diameter of the toothed wheel rotating in the cavity.  $\lambda$  is the RF wavelength. **Change** of electrical phase is given by:  $\arctan(I1/Q1) - \arctan(I2/Q2)$ . I and Q are measured at **sequential** wheel rotation positions 1 and 2. (2pp Dwg.No.1/1)

Title Terms: WHEEL; ROTATING; SENSE; MICROWAVE; INTERFEROMETER; ELECTRONIC; MOUNT; WHEEL; AXLE; CARRY; MICROWAVE; TRANSMISSION; LINE; CONDUCTING; ENERGY; PROBE

Derwent Class: S02

International Patent Class (Additional): G01P-000/01

File Segment: EPI

13/5/32 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008353372 \*\*Image available\*\*

WPI Acc No: 1990-240373/199032

XRPX Acc No: N90-186546

**Antennae used for radar system - has signal processing unit responsive to optical digital signals for calculating required antennae performance**

Patent Assignee: MITSUBISHI DENKI KK (MITQ )

Inventor: INAMI K; KAWANO H; NISHIOKA Y

Number of Countries: 005 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 380914	A	19900808	EP 90100165	A	19900104	199032 B
JP 2183185	A	19900717	JP 892504	A	19890109	199034
JP 2268501	A	19901102				199050
JP 2268502	A	19901102				199050
JP 2268504	A	19901102				199050
US 5023634	A	19910611	US 90461641	A	19900105	199126
US 5136271	A	19920804	US 90461641	A	19900105	199234
			US 91674619	A	19910325	
EP 380914	B1	19940504	EP 90100165	A	19900104	199418
DE 69008551	E	19940609	DE 608551	A	19900104	199424
			EP 90100165	A	19900104	

Priority Applications (No Type Date): JP 8991438 A 19890411; JP 892504 A 19890109; JP 8991436 A 19890411; JP 8991437 A 19890411

Cited Patents: 1.Jnl.Ref; A3...9041; EP 276817; EP 6650; NoSR.Pub; US 4228436; US 4692768; WO 8808623

Patent Details:



Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 380914	A				
Designated States (Regional): DE FR GB					
US 5136271	A		31	H01P-003/08	Div ex application US 90461641
					Div ex patent US 5023634
EP 380914	B1	E	16	H01Q-025/00	
Designated States (Regional): DE FR GB					
DE 69008551	E			H01Q-025/00	Based on patent EP 380914

Abstract (Basic): EP 380914 A

The antenna system comprises a number of element antennae (1Nm) for both transmission and reception of signals, which are constituted on an optional profile surface and are divided into a number of blocks (1-1m), each including more than two element antennae. A number of miniature transmitter/receivers (2Nm) are connected respectively to the element antennae. Several power supply circuits are connected respectively to the blocks, each of which is **adapted** to distribute the transmission signals to the corresponding block, or to synthesize the reception signal from the corresponding block.

Several reception signal converting units are connected respectively to the power supply circuits each of which comprises a transmission signal/reception signal switching unit (6), a frequency converter (7), a bandpass filter (8), an analog/digital converter (9) and an electro/optical converter (10).

ADVANTAGE - Number of reception signal converters can be considerably reduced.

Dwg.7/28

Title Terms: ANTENNA; RADAR; SYSTEM; SIGNAL; PROCESS; UNIT; RESPOND; OPTICAL; DIGITAL; SIGNAL; **CALCULATE** ; REQUIRE; ANTENNA; PERFORMANCE

Derwent Class: W02; W06

International Patent Class (Main): H01P-003/08; H01Q-025/00

International Patent Class (Additional): G01S-007/02; H01Q-003/26;

H05K-007/06

File Segment: EPI

13/5/33 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008039515 \*\*Image available\*\*

WPI Acc No: 1989-304627/198942

XRAM Acc No: C89-134882

XRPX Acc No: N90-127535

**Module with substrate for mounting semiconductor devices - has signal joint terminal on principal area and power bus joint terminals on periphery, of underside of chip carrier substrate**

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1225145	A	19890908	JP 8849663	A	19880304	198942 B
US 4922377	A	19900501	US 88271677	A	19881116	199022

Priority Applications (No Type Date): JP 8849663 A 19880304; JP 87287391 A 19871116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 1225145	A		4		

Abstract (Basic): US 4922377 A

The module includes a **multi - layer** wiring substrate having signal input/output terminals, power supply terminals, and testing and engineering **change** pads. A number of large-scale integrated (LSI) circuit semiconductor chips are mounted on the substrate, the LSI chips having cooling device on the back. The LSI chips are mounted on and electrically connected to the top surface of the wiring substrate through chip joints.

The power supply terminals are arranged on the top surface of the substrate around the chips through power bus joints. On the underside of the multilayer wiring substrate input/output terminals and a pattern of testing and engineering **change** pads, both connected to the LSI chips, are installed.

ADVANTAGE - Improves **package** density which in turn leads to higher **computation** speed. Eliminates need for special cooling system during testing. (First major country equivalent to J01225145) (9pp Dwg.No.1/6)

Title Terms: MODULE; SUBSTRATE; MOUNT; SEMICONDUCTOR; DEVICE; SIGNAL; JOINT ; TERMINAL; PRINCIPAL; AREA; POWER; BUS; JOINT; TERMINAL; PERIPHERAL; UNDERSIDE; CHIP; CARRY; SUBSTRATE

Derwent Class: U11; V04

International Patent Class (Additional): H01L-021/60; H01L-023/52; H05K-007/20

File Segment: EPI

13/5/34 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007694439 \*\*Image available\*\*

WPI Acc No: 1988-328371/198846

XRPX Acc No: N88-248649

**Control systems integral-arithmetical appts. - has output from integrand function register to quotient forming circuit with output via AND-gate to increments register**

Patent Assignee: TAGANROG WIRELESS ENG (TAWI )

Inventor: BLINKOVA L M; PYAVCHENKO O N; SAKHAROVA V P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 746602	A	19800707	SU 2445997	A	19770124	198846 B

Priority Applications (No Type Date): SU 2445997 A 19770124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 746602	A		6		

Abstract (Basic): SU 746602 A

The circuitry contg. the integrand function registers (1, 2 ) adders (3,4) **increments** register (5), increments forming circuit (6), NAND-gate (8), partial sum registers (11,12), extrapolator (13), AND-gates (14,20) and the OR-gates (21-23) has the quotient forming circuit (7), delay circuits (9,10,35), AND-gates (24-28) and the OR-gates (29-34). In performing integration at an (i+1)-th step in solving a problem an increment is entered firstly in the increments register from a memory. The integrand function digits are presented to the integral increments forming circuit (6). In the NAND-gate the **increment** is **multiplied** with a coefft. The result is added (3) with the sum of the non-quantised increments accumulated in preceding operations. If there is an attribute of the end of forming an integration variable, the output of adder (3) is fed to the extrapolator. The operation of division is performed more quickly by the quotient forming circuit **calculating** two digits of the quotient in each cycle. USE/ADVANTAGE - In computer engineering as integro-arithmetical appts. for digital computing **packages** operating in control systems, operating speed is increased in solving problems in control of **dynamic** objects.

(6pp Dwg.No.1/1

Title Terms: CONTROL; SYSTEM; INTEGRAL; ARITHMETIC; APPARATUS; OUTPUT; INTEGRATE; FUNCTION; REGISTER; QUOTIENT; FORMING; CIRCUIT; OUTPUT; AND-GATE; INCREMENT; REGISTER

Derwent Class: T01; T02

International Patent Class (Additional): G06J-001/02

File Segment: EPI

13/5/35 (Item 28 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004540184

WPI Acc No: 1986-043528/198607

XRPX Acc No: N86-031794

**Design method for multilayer circuit board - distributing wire load for interconnections by defining connection type by locations of associated pins**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: COOPER J F; KIRKPATRICK E S; LINSKER R; KIRKPATRIC E S

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 170971	A	19860212	EP 85109188	A	19850723	198607 B
US 4713773	A	19871215	US 84639570	A	19840810	198806
EP 170971	B1	19930203	EP 85109188	A	19850723	199305
DE 3587055	G	19930318	DE 3587055	A	19850723	199312
			EP 85109188	A	19850723	

Priority Applications (No Type Date): US 84639570 A 19840810

Cited Patents: 2.Jnl.Ref; A3...8945; No-SR.Pub

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 170971	A	E 45		
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Designated States (Regional): DE FR GB

EP 170971	B1	E 24	G06F-015/60	
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Designated States (Regional): DE FR GB

DE 3587055	G		G06F-015/60	Based on patent EP 170971
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Abstract (Basic): EP 170971 B

Connections are distributed within the layers of a multilayer circuit board. Connection data are read relating to the location of pins on the interconnection board at which the connections terminate.

A connection type is defined for each connection based on the locations of the pins of the connection. Connections, of one or more connection type, are distributed among the layers of the interconnection board such that, for each connection type, the difference in the number of connections of that type distributed to each of the **several layers** is less than or equal to 1.

USE/ADVANTAGE - The wire load is **balanced** among all layers in each region of the **package**. Specified subsets of two-pin connections may be constrained to lie within the same **layer**. (45pp Dwg.No 2 /5)

Title Terms: DESIGN; METHOD; MULTILAYER; CIRCUIT; BOARD; DISTRIBUTE; WIRE; LOAD; INTERCONNECT; DEFINE; CONNECT; TYPE; LOCATE; ASSOCIATE; PIN

Derwent Class: T01

International Patent Class (Main): G06F-015/60

International Patent Class (Additional): G06F-007/00

File Segment: EPI

13/5/36 (Item 29 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004326877

WPI Acc No: 1985-153755/198526

XRPX Acc No: N85-116079

**Matrix printing method character reduction and-or shifting - using character generator with normal size and reduced print programs switched by control command**

Patent Assignee: MANNESMANN AG (MANS )

Inventor: WERBACH J

Number of Countries: 010 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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DE 3346297	A	19850620	DE 3346297	A	19831219	198526	B
EP 146492	A	19850626	EP 84730119	A	19841108	198526	
US 4871270	A	19891003	US 84681617	A	19841214	198949	
EP 146492	B	19901219				199051	
DE 3346297	C	19910328				199113	

Priority Applications (No Type Date): DE 3346297 A 19831219

Cited Patents: 2.Jnl.Ref; A3...8629; DE 1205744; EP 27734; No-SR.Pub; US 4236835

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 3346297	A		15		
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EP 146492	A	G			
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Designated States (Regional): AT BE CH FR GB IT LI NL

EP 146492	B				
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Designated States (Regional): AT BE CH FR GB IT LI NL

Abstract (Basic): DE 3346297 A

The characters are generated by data source pulses via a character generator. They are printed in lines by a matrix print head of single- or multi-column needle type in one or **several** printing **steps**. The character generator (7) is associated with a normal print program (8), or at least one separate small print program (9).

According to a control command, the generator switches over from the normal print program to the small print program or vice versa. Pref. the switching is carried out by electronic **recalculation** of the given needle column positions for the respective programs, with simultaneous superimposition of the height **shift**.

USE - For matrix printing of indexes and footnotes within given character size.

1/4

Title Terms: MATRIX; PRINT; METHOD; CHARACTER; REDUCE; **SHIFT** ; CHARACTER; GENERATOR; NORMAL; SIZE; REDUCE; PRINT; PROGRAM; SWITCH; CONTROL; COMMAND

Derwent Class: P75; T04

International Patent Class (Additional): B41J-002/23; B41J-003/10; G06K-015/10

File Segment: EPI; EngPI

13/5/37 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003633269

WPI Acc No: 1983-J1471K/198324

XRPX Acc No: N83-105906

**Recognition logic circuit for bar code reader system - detects bar-half-bar code using auto-correlation techniques to distinguish valid bar-code signals from random noise**

Patent Assignee: BURROUGHS CORP (BURS )

Inventor: BRADSHAW R S; PETERSEN D J; TARTAR P E

Number of Countries: 009 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8302025	A	19830609				198324 B
EP 81316	A	19830615	EP 82306232	A	19821123	198325
US 4387298	A	19830607				198325
JP 58502026	W	19831124	JP 82500202	A	19821122	198402
EP 81316	B	19890510				198919
DE 3279690	G	19890615				198925

Priority Applications (No Type Date): US 81325546 A 19811127

Cited Patents: 2.Jnl.Ref; A3...8614; No-SR.Pub; US 3701097; US 4096378

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 8302025	A	E	38		
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Designated States (National): JP

EP 81316	A	E			
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Designated States (Regional): BE DE FR GB IT NL SE  
EP 81316 B E  
Designated States (Regional): BE DE FR GB IT NL SE

Abstract (Basic): WO 8302025 A

A timing section has a counter synchronised with the start of a scan of the bar indicia to output signals representing the position of the scan relative to its total scan displacement. A series of serially-coupled storage stages provide a total storage capacity exceeding that required to store the pulse stream from a simple scan. Then, given outputs from the first and last stages represent scan data from the present and immediately precedent scans.

A digital integrator provides a bar dark area correlation detection. It includes gates coupled to the given outputs of the first and last stages of the stores to input signals to an up-down counter which signals the autocorrelation coefficient. Comparators provide limit thresholds for the counter to signal the start and end of detection of a black area of the bar indicia. Stores respond to the comparator outputs to store scan positions representing the start and end of the detection of a block area. A bar length **calculator** subtracts the scan position data for the start of black detection from that at the end to produce a value representing the absolute length of the bar black area. This value is thresholded to determine detection of a bar or a half-bar. The code may provide ZIP information needed for interim sorting to route the **mail** pieces to their destination city or **postal** station. The code may also be used to provide sort information to the carrier, firm, post office box or building -direct level.

Title Terms: RECOGNISE; LOGIC; CIRCUIT; BAR; CODE; READ; SYSTEM; DETECT; BAR; HALF; BAR; CODE; AUTO; CORRELATE; TECHNIQUE; DISTINGUISH; VALID; BAR; CODE; SIGNAL; RANDOM; NOISE

Derwent Class: T04

International Patent Class (Additional): G06K-007/10

File Segment: EPI

13/5/38 (Item 31 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003617435

WPI Acc No: 1983-G5635K/198320

XRPX Acc No: N83-084972

**Optimisation of organisation of many discrete elements - considering relation to function of or space occupied by, arrangement by establishing suitability measure or score**

Patent Assignee: IBM CORP (IBM )

Inventor: GELATT C D; KIRKPATRIC S

Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 78388	A	19830511	EP 82108521	A	19820916	198320 B
JP 58080853	A	19830516				198325
US 4495559	A	19850122	US 81317651	A	19811102	198506
EP 78388	B	19890111				198903
DE 3279352	G	19890216				198908

Priority Applications (No Type Date): US 81317651 A 19811102

Cited Patents: 3.Jnl.Ref; A3...8613; No.SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 78388 A E 88

Designated States (Regional): DE FR GB IT

EP 78388 B E

Designated States (Regional): DE FR GB IT

Abstract (Basic): EP 78388 A

A system performed on program controlled data processing appts. offers a computer aided design, e.g. for very large scale integration

of semiconductor devices. Local **changes** in an arrangement of the elements are made and evaluated w.r.t. the purpose of the specification.

A generalised rule is used to determine the acceptability of each local **change**. An overall acceptability **modification** trend is provided to influence the characteristics of the generalised rule progressively. The arrangement can be a representation of a best routing, a logic circuit portioning, or a bin packing of a project scheduling problem. Alternatively, the arrangement is an array of semiconductor devices on a chip, chips in a modular **package**, modular **packages** or wiring supporting boards, logic current gates in a logic circuit or logic circuits in a unitary **computational** device.

Title Terms: OPTIMUM; ORGANISE; DISCRETE; ELEMENT; RELATED; FUNCTION; SPACE ; OCCUPY; ARRANGE; ESTABLISH; SUIT; MEASURE; SCORE

Index Terms/Additional Words: SEMICONDUCTOR; CHIP; PLACE; WIRE; NETWORK; ROUTE; LOGIC; PARTITION; PIN; PACK

Derwent Class: T01; U11; U13

International Patent Class (Additional): G06F-015/20; H01L-021/82; H01L-027/04

File Segment: EPI

13/5/39 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003566511

WPI Acc No: 1983-B4700K/198305

XRPX Acc No: N83-019154

**Integrated injection logic analogue current switching element - uses complementary bipolar transistors, one of which has several collectors connected to injection sources**

Patent Assignee: PHILIPS GLOEILAMPENFAB NV (PHIG ); TELECOM RADIOELEC TEL SA (TRTT )

Inventor: BREUILLARD R; PELLETIER J

Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 70063	A	19830119	EP 82200813	A	19820630	198305 B
FR 2509102	A	19830107				198308
JP 58010925	A	19830121				198309
US 4494014	A	19850115	US 82391265	A	19820624	198505
CA 1181137	A	19850115				198508
EP 70063	B	19870408				198714
DE 3276028	G	19870514				198720

Priority Applications (No Type Date): FR 8113141 A 19810703

Cited Patents: 1.Jnl.Ref; FR 2316804

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 70063	A	F 13		
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Designated States (Regional): DE GB IT

EP 70063	B	F		
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Designated States (Regional): DE FR GB IT

Abstract (Basic): EP 70063 A

The lateral p-n-p input transistor (T1) has simultaneously-diffused emitter and collector regions in n epitaxial n-type region constituting its base and also the emitter of the n-p-n switching transistor (T2). The latter's m collectors are closely-spaced n+ diffusions into the p-type collector region of the input transistor (T1) forming m regions in the switching transistor base.

If one of the collectors is returned to this base while the others are joined to current injection sources (C2-cm), the current (Ie) from a source (S) connected to the signal input (E1) is reflected (I1-Im) into them when the switching transistor (T2) is gated on. The sum of the emitter currents is taken as output (Is). Several such elements may be connected in cascade to form an analogue switch.

Title Terms: INTEGRATE; INJECTION; LOGIC; ANALOGUE; CURRENT; SWITCH;  
ELEMENT; COMPLEMENTARY; BIPOLAR; TRANSISTOR; ONE; COLLECT; CONNECT;  
INJECTION; SOURCE  
Index Terms/Additional Words: CURRENT; INJECTION; LOGIC  
Derwent Class: U13; U21  
International Patent Class (Additional): G06F-001/02; H03K-013/02;  
H03K-017/60; H03K-019/09; H03M-001/80  
File Segment: EPI

13/5/40 (Item 33 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003557900

WPI Acc No: 1983-A6089K/198302

XRPX Acc No: N83-008151

**Multistage crushing process control - by calculating per unit  
productivity of stage and comparing it with productivity setting of next  
stage**

Patent Assignee: UKR TYAZHPROMAVTOMA (UTYA-R)

Inventor: KARELIN M B; KOGAN L S; PONOMARENK A P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 912281	B	19820315				198302 B

Priority Applications (No Type Date): SU 2958200 A 19800722

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 912281	B		3		

Abstract (Basic): SU 912281 B

**Multi - stage** crushing process control by measuring and varying the dimensions of discharge slits of the crushers, is qualitatively improved for application in crushing-grading **packages** for non-ore building materials, ferrous and nonferrous metal ores and raw materials in the chemical industry.

To **adjust** each stage separately and so increase the throughput, crusher productivity and excess capacity are also measured. A per unit productivity is then **calculated** with regard to expenditure on crushing. The per unit value is compared with the productivity setting of the next stage with a discharge slit of set size.

Any deviation of productivity is distributed between the stage in question and the preceding stages in proportion to the excess capacity, and the size of the discharge slits is varied according to the distribution of the productivity deviation. Crushing expenditure is **calculatable** as the ratio of the consumption of electric energy to the crusher output with regard to the slit size. Bul.10/15.3.82 (3pp)

Title Terms: MULTISTAGE; CRUSH; PROCESS; CONTROL; **CALCULATE** ; PER; UNIT;  
PRODUCE; STAGE; COMPARE; PRODUCE; SET; STAGE

Index Terms/Additional Words: FERROUS; NON; FERROUS

Derwent Class: P41; X25

International Patent Class (Additional): B02C-025/00

File Segment: EPI; EngPI

13/5/41 (Item 34 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003291718

WPI Acc No: 1982-D9729E/198214

**Random process excursion areas distribution function finder - has input  
signal integrated at input to AND-gate connected to reverse counter with  
output to recorder**

Patent Assignee: RYAZAN WIRELESS ENG INST (RYWI )

Inventor: SADOVSKII G A; ZHULEV V I; ZOTOV G M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 840970	B	19810625				198214 B

Priority Applications (No Type Date): SU 2820772 A 19790920

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 840970	B		4		

Abstract (Basic): SU 840970 B

Excursion area distribution functions finder contg. threshold ( 2 ), reference **levels** unit (3), AND-gates (5,7) and reverse counter (6) has greater accuracy in measuring probable characteristics of random processes. It can be used in testing radioelectronic appts., in endurance tests on machines and mechanisms, aircraft flight **dynamics** research, data-processing, measuring and computing **packages** and control and monitoring systems.

The excursion area is determinable more accurately by introducing an integrator (1), controlled generator (4), OR- gate (8), pulse trains generator (9), control trigger (10) and **shift** register (11). The excursion area is found by direct integration of the X9t) input in accordance with an expression allowing for the level of analysis and the duration of the excursion.

The investigated and reference voltages are converted into a frequency and then the difference between the integral values is **calculated** . The level of analysis is set by reference level selection. The number in the reverse counter becomes proportional to the required area. As the count is transferred to the recorder (12) to obtain the distribution density function of excursion areas exceeding a set level, the counter is reset via delay circuit (13). Bul. 23/23.6.81. (4pp Dwg.No.1)

Title Terms: RANDOM; PROCESS; EXCURSION; AREA; DISTRIBUTE; FUNCTION; FINDER ; INPUT; SIGNAL; INTEGRATE; INPUT; AND-GATE; CONNECT; REVERSE; COUNTER; OUTPUT; RECORD

Derwent Class: T01; T02

International Patent Class (Additional): G06J-003/00; G06P-015/36

File Segment: EPI

13/5/42 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003083501

WPI Acc No: 1981-J3543D/198136

**Control and computing memory units tester - uses counter to generate binary number sequence while AND-gates form one-levels at outputs corresp. to test data code digits**

Patent Assignee: CHUPRYGIN V K (CHUP-I)

Inventor: KORCHAZHKI A S; ROZINA D M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 780050	B	19801118				198136 B

Priority Applications (No Type Date): SU 2698790 A 19781220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 780050	B		3		

Abstract (Basic): SU 780050 B

Memory units tester contg. a data setter (1), AND-gates (2), AND-gate (4), **shift** register (6), decoder (7) and the interrogation input (10) is simplified for testing information stored in memory units in control and computing.

Introduction of the pulse counter (3) and AND-gate (5) and reconnection of the clearing (8,9) and sync. (11) inputs and data



outputs (12,13) reduces the number of parts required to form a complete package .

In response to the clearing input (9), the counter generates a binary number sequence as from zero. The AND-gates ( 2 ) are clocked to form 1- levels at outputs corresp. to digits of the test data code in digit-by-digit agreement with the counter code. At the end of read out the interrogation signal initiates decoding of the first and second digit places of the register. If the test is satisfactory, the counter generates further numbers. An error signal at output (12) stops the test. Bul.42/15.11.80 (3pp Dwg.No.1)

Title Terms: CONTROL; COMPUTATION ; MEMORY; UNIT; TEST; COUNTER; GENERATE; BINARY; NUMBER; SEQUENCE; AND-GATE; FORM; ONE; LEVEL; OUTPUT; CORRESPOND; TEST; DATA; CODE; DIGITAL

Derwent Class: U14

International Patent Class (Additional): G11C-029/00

File Segment: EPI

13/5/43 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003020860

WPI Acc No: 1981-C0873D/198110

Digital computer system integration arithmetic appts. - has output taken from increment former across logic circuits to adder receiving product at one input and inversion sign at other input

Patent Assignee: TAGANROG WIRELESS ENG (TAWI )

Inventor: BLINOVA L I; FLECKSER Z I; PYAVCHENKO O N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 744654	B	19800630				198110 B

Priority Applications (No Type Date): SU 2438194 A 19770104

Abstract (Basic): SU 744654 B

Integration-arithmetical appts. for digital computing packages in control systems has greater speed in solving episodic problems which require calculation at points of straight lines and inverse trigonometric logarithmic and exponential functions, and other mathematical relationships either with continuously varying variables or described by various differential equations.

The novelty is inclusion of additional AND-gates (13-16) and OR-gates(17-19) so that operations of multiplication with addition can take the place of operations of multiplication and addition. Speed is increased by a factor of 1.5. Other parts are registers (1-3), adders (4,5), increment former (6), code changer (8), AND-gates (9,10) and an output extrapolator.

Operation used to be based on integration of differential equations generating the relationships. Now in arithmetical operations the multiplicand y is entered in register (1) by input (21) from a store. The multiplier x is entered in the increments former. The result of the preceding operation is entered in register (3). The product xy is presented to one input of adder (5), and an inversion sign at its other input. Bul. 24/30.6.80.

Title Terms: DIGITAL; COMPUTER; SYSTEM; INTEGRATE; ARITHMETIC; APPARATUS; OUTPUT; INCREMENT; FORMER; LOGIC; CIRCUIT; ADDER; RECEIVE; PRODUCT; ONE; INPUT; INVERT; SIGN; INPUT

Derwent Class: T02

International Patent Class (Additional): G06J-001/02

File Segment: EPI

13/5/44 (Item 37 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001536628

WPI Acc No: 1976-K9570X/197646

**Auto coding and decoding system - has text consisting of dual coded  
multiposition symbols**

Patent Assignee: ANST EUROP HANDELSG (EUHA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 1772875	B	19761104				197646 B

Priority Applications (No Type Date): CH 6710913 A 19670802

Abstract (Basic): DE 1772875 B

A coding arrangement which simply prevents occurrence of a simple and similar sentence has five **stages** of text consisting of **dual** coded multiposition symbols. In column 'A' are text **letters** of a special code currently used in the telex system. In column 'B' are code **letters** delivered from the symbol generator and in column 'C' are the **modified** endings. Column 'D' shows the **calculation** results and in column 'e' are the results for signal production from processing the code signals and the secret **letters** signals. The addition is performed by a dual summator which can be connected in front or after the two inputs of the data processing arrangement which cyclically permutes the feed signals, controlled by an inlet to the code symbols of the summation arrangement.

Title Terms: AUTO; CODE; DECODE; SYSTEM; TEXT; CONSIST; DUAL; CODE;  
MULTIPOSITION; SYMBOL

Derwent Class: P85

International Patent Class (Additional): G09C-001/00

File Segment: EngPI

16/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06608947 \*\*Image available\*\*  
PATENT EVALUATION SYSTEM AND COMPUTER READABLE RECORDING MEDIUM RECORDING  
PATENT EVALUATION PROGRAM

PUB. NO.: 2000-194752 [JP 2000194752 A]  
PUBLISHED: July 14, 2000 (20000714)  
INVENTOR(s): IWABORI KUNIO  
APPLICANT(s): IWABORI KUNIO  
APPL. NO.: 10-376666 [JP 98376666]  
FILED: December 25, 1998 (19981225)  
INTL CLASS: G06F-017/60

#### ABSTRACT

PROBLEM TO BE SOLVED: To more objectively evaluate the patent quality by comparing the arithmetic level value that is **calculated** from every inputted evaluation value with the evaluation level reference value to be divided into **plural steps** to decide a relevant **level** and displaying the decided evaluation level.

SOLUTION: A decision display means 22 **calculates** the arithmetic level value such as the mean value and the total value from the inputted evaluation value by a prescribed operation. Then the reference value, i.e., the evaluation level reference value with which the patents to be evaluated are divided at least into three ranks 'A', 'B' and 'C' is compared with the arithmetic level value. Based on this comparison result, an evaluation level 'B', etc., is shown by a display means 25. Thus, the patent evaluation can be objectively shown in **letters** 'A', 'B' and 'C' which are extremely easy to understand. Thereby any employee of a patent department, etc., can clearly grasp the patent evaluation of his/her company.

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16/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05705021 \*\*Image available\*\*  
METHOD AND DEVICE FOR BAR CODE READING

PUB. NO.: 09-319821 [JP 9319821 A]  
PUBLISHED: December 12, 1997 (19971212)  
INVENTOR(s): NARA KIYOYOSHI  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-135050 [JP 96135050]  
FILED: May 29, 1996 (19960529)  
INTL CLASS: [6] G06K-007/10; B07C-003/18; G06K-007/00; G06K-007/12  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 26.9 (TRANSPORTATION -- Other); 29.4 (PRECISION INSTRUMENTS -- Business Machines)  
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD & BBD); R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a method and device for bar code reading which simultaneously pick up and recognize plural bar codes, printed on a **postal** matter to efficiently use hardware resources and increase the recognition processing speed and are not affected by the background of bar codes.

SOLUTION: Image of **multi - level** pictures of **two** bar codes (a machine code and an ID code) printed on a **postal** matter P are simultaneously

picked up by a photoelectric conversion part 3, and **multi - level** picture data is converted into **plural** differential image data in a recognition part 4 by differentiation, based on plural thresholds corresponding to the background color of the bar codes, and projections in the horizontal and vertical directions are generated based on each of these plural differential image data to **calculate** the inclinations of two bar codes, and two bar code areas are subjected to plural recognition processing respectively, in accordance with these inclinations, and correct answers for two bar codes are selected from plural obtained recognition results by majority decision.

16/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03063651 \*\*Image available\*\*  
PHOTOCOMPOSING PATTERN LAYOUT METHOD

PUB. NO.: 02-039151 [JP 2039151 A]  
PUBLISHED: February 08, 1990 (19900208)  
INVENTOR(s): NAKAYAMA TORU  
APPLICANT(s): NAKAYAMA TORU [000000] (An Individual), JP (Japan)  
APPL. NO.: 63-190885 [JP 88190885]  
FILED: July 29, 1988 (19880729)  
INTL CLASS: [5] G03F-001/06; B41B-013/00; G03F-001/04  
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography);  
29.4 (PRECISION INSTRUMENTS -- Business Machines)  
JOURNAL: Section: P, Section No. 1039, Vol. 14, No. 195, Pg. 137,  
April 20, 1990 (19900420)

#### ABSTRACT

PURPOSE: To facilitate a layout operation and to prevent errors in **calculation** by printing the scales of **various grades** on **many** tapes, selecting a specified tape every time layout is performed and performing the layout of a photocomposing pattern based on the scale of the selected tape.

CONSTITUTION: At the time of previously performing the layout of the photocomposing pattern consisting of the arrays of photocomposed **letters** on a mount, the specified tape 1, out of the respective tapes 1, is selected every time the layout is performed and is used. For example, as to the tape 1 of 16th grade and 20 teeth and 24 teeth, the back paper 3 of the tape 1 is peeled off and the tape 1 is stuck to a triangular rule 4. Thereafter, the tape 1 is cut along the side edge X of the rule 4 and the rule 4 is operated on the mount 5 to perform the layout of the photocomposing pattern. Therefore, the layout of the photocomposing pattern can be performed based on the scale of the 16th grade and 20 teeth and 24 teeth which is printed on the one-side coated adhesive tape 1. Thus, the operation can be facilitated and the errors in **calculation** can be prevented since the number of grade of the photocomposed **letter** and the number of teeth between **letters** and between lines need not be converted into the number in a metric system.

16/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01805157 \*\*Image available\*\*  
SYSTEM FOR REGISTERING **PLURAL SEQUENTIAL** INFORMATION

PUB. NO.: 61-019257 [JP 61019257 A]  
PUBLISHED: January 28, 1986 (19860128)  
INVENTOR(s): SUZUKI OSAMU  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 59-139026 [JP 84139026]

FILED: July 06, 1984 (19840706)  
INTL CLASS: [4] H04L-011/20; H04M-003/42; H04N-001/00  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 36.4 (LABOR SAVING  
DEVICES -- Service Automation); 44.4 (COMMUNICATION --  
Telephone); 44.7 (COMMUNICATION -- Facsimile)  
JOURNAL: Section: E, Section No. 411, Vol. 10, No. 168, Pg. 133, June  
14, 1986 (19860614)

#### ABSTRACT

PURPOSE: To simplify the operation and to improve the accuracy by applying automatic registration to plural different originals while the same line is kept **sequentially** to **plural** different registration destinations to deliver the information in response to an extraction request.

CONSTITUTION: A disc equipment 5 connected to a **calculation** processor 4 is provided to an information storage communication system 6 of a facsimile **mail** system, and a FAX terminal equipment 1 is connected to the processor 4 via a line control/FAX procedure signal controller 3. In registering an original to plural registration destinations by the **mail** system, the original is set to the equipment 1 in the numbering order of the registration destinations and connected to the system 6 by using a telephone set 2 of the equipment 1. Then an information registration service designation code and a start number of the registration destination are designated by the telephone set 2 to attain the transmission operation of the equipment 1. Then the system 6 receives the picture information of the original via the controller 3, stores the information to a registered location of the device 5 in the order of the number of registered destination set sequentially to simplify the operation.

16/5/5 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014350069  
WPI Acc No: 2002-170772/200222  
XRAM Acc No: C02-052664

**Determining viral antigenic protein variants for designing vaccine to variable viral types and analyzing nucleotide sequences of viral proteins and identifying variants that provide selective advantage to virus**

Patent Assignee: LITWIN S (LITW-I); STEWART J J (STEW-I); WATTS P (WATT-I)

Inventor: LITWIN S; STEWART J J; WATTS P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6337181	B1	20020108	US 98217293	A	19981221	200222 B

Priority Applications (No Type Date): US 98217293 A 19981221

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6337181	B1	11	C12Q-001/70	

Abstract (Basic): US 6337181 B1

NOVELTY - Determining (M1) which naturally occurring amino acid variants of a protein (subregion) or antigenic site of a virus are selectively advantageous to the virus, is new.

DETAILED DESCRIPTION - Determining (M1) which naturally occurring amino acid (aa) variants of a protein, protein subregion, or antigenic site of a virus are selectively advantageous to the virus, comprising:

(a) aligning multiple nucleotide sequences of the protein subregion, or antigenic site to each other (multiple sequence alignment);

(b) for each aligned aa position (nucleotide codon), identifying as selectively advantageous to the virus the consensus (css) (most common, mode) aa;

(c) for each aligned aa position (nucleotide codon), determining the replacement to SR of each aa replacement mutation (observed R:S);

(d) determining the replacement to SR that would be expected if

nucleotide mutation were neutral (expected R:S);

(e) comparing the observed R:S to the expected R:S by means of a statistical test;

(f) for each aligned aa position (nucleotide codon), identifying as selectively advantageous to the virus non-css aa replacement variants that are determined R:S significantly higher than the expected R:S, where identifying which naturally occurring aa variants of the viral protein, protein subregion, or antigenic site are selectively advantageous to the virus, is new.

INDEPENDENT CLAIMS are also included for the following:

(1) identifying appropriate small molecule or other antiviral compounds comprising carrying out M1, modeling the variants **computationally** or mathematically to predict, especially of binding, if rms and other deviations from known or observed protein structure will allow or disallow effective use of the antiviral compound; and

(2) screening (M2) for broadly neutralizing monoclonal antibodies comprising carrying out M1, constructing a panel of proteins, peptides or viruses comprising the variants and screening the compounds for broad reactivity by a binding assay.

ACTIVITY - Virucide; Anti-HIV.

MECHANISM OF ACTION - Vaccine. No supporting data is given.

USE - M1 is useful for determining naturally occurring aa variants of a protein, protein subregion, or antigenic site of a virus which are selectively advantageous to the virus. The method is useful for identifying appropriate small molecule or other antiviral compounds and for screening broadly neutralizing monoclonal antibodies/antiviral compounds (claimed). The method is further useful for determining viral antigenic protein variants to be used to construct vaccines designed immunize against variable viral population (quasispecies).

pp; 11 DwgNo 0/2

Title Terms: DETERMINE; VIRUS; ANTIGEN; PROTEIN; VARIANT; DESIGN; VACCINE; VARIABLE; VIRUS; TYPE; NUCLEOTIDE; SEQUENCE; VIRUS; PROTEIN; IDENTIFY; VARIANT; SELECT; ADVANTAGE; VIRUS

Derwent Class: B04; C06; D16

International Patent Class (Main): C12Q-001/70

International Patent Class (Additional): A01N-043/04; C07K-001/00;

C12N-015/00

File Segment: CPI

16/5/6 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014002652 \*\*Image available\*\*

WPI Acc No: 2001-486866/200153

XRAM Acc No: C01-146022

XRPX Acc No: N01-360750

**Photosensitive resin letter press manufacturing method involves exposing light ray independently to partitioned blocks of photosensitive resin coating, based on digital image recording signal**

Patent Assignee: ASAHI KASEI KOGYO KK (ASAH )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001188354	A	20010710	JP 99372880	A	19991228	200153 B

Priority Applications (No Type Date): JP 99372880 A 19991228

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001188354	A		9	G03F-007/20	

JP 2001188354 A

Abstract (Basic): JP 2001188354 A

NOVELTY - A photosynthetic resin liquid (200) is coated to a fixed thickness on the support (100) fixed to flat fixed board (2). Image formation area of resin is divided into blocks equal to cross cut of two dimensional matrix and plane coordinates are **computed**. Digital open optical head (20) is moved on coating surface for scanning. Light

rays (400) are exposed for each block based on digital image recording signal and photosensitive resin plate is molded.

DETAILED DESCRIPTION - **Multiple** digital image **layers** are laminated for forming the image of desired thickness. Light permeates through the support having adhesive film and photosensitive resin film. The mark image is formed between the support and resin film by exposing mask film to the light irradiated from the lower portion of fixed board. A thin transparent protective film which permeate the active light on the photosensitive resin liquid is provided to the resin film. The digital image formation is performed through a protective film. An INDEPENDENT CLAIM is also included for the photosensitive **letter** press manufacturing apparatus. A vacuumizing unit carries out the adsorption fixation of support on fixed board. A controller controls the movement of digital optical head to predetermined position based on the plane coordinates. A lens is provided to the digital optical head. A cleaning mechanism with cleaning board and nozzle removes the non-cured resin from the photosensitive resin plate.

USE - For relief printings represented by flexographic printings e.g. corrugated cardboard printing.

ADVANTAGE - Production process of negative film is eliminated as the partitioned blocks of photosensitive resin-film is independently exposed to the light rays. Resources is saved as the necessity of plate making is eliminated. Hence manufacturing period is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic front elevation of exposure system.

Fixed board (2)  
Digital open optical head (20)  
Support (100)  
Photosynthetic resin liquid (200)  
Activated light rays (400)  
pp; 9 DwgNo 1/9

Title Terms: PHOTSENSITISER; RESIN; **LETTER** ; PRESS; MANUFACTURE; METHOD; EXPOSE; LIGHT; RAY; INDEPENDENT; PARTITION; BLOCK; PHOTSENSITISER; RESIN ; COATING; BASED; DIGITAL; IMAGE; RECORD; SIGNAL

Derwent Class: A89; G07; P84

International Patent Class (Main): G03F-007/20

International Patent Class (Additional): G03F-007/00

File Segment: CPI; EngPI

16/5/7 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012925591 \*\*Image available\*\*

WPI Acc No: 2000-097427/200008

XRPX Acc No: N00-075289

Two stage data transmitting method for narrow band communication systems such as E- mail , pager.

Patent Assignee: GLENAYRE ELECTRONICS INC (GLEN-N)

Inventor: GAYTON D W; GODOROJA A; TKATCH R T

Number of Countries: 087 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9963742	A1	19991209	WO 99US12329	A	19990602	200008 B
AU 9943304	A	19991220	AU 9943304	A	19990602	200021
EP 1084565	A1	20010321	EP 99942645	A	19990602	200117
			WO 99US12329	A	19990602	
US 6240088	B1	20010529	US 9888950	A	19980602	200132
CN 1307776	A	20010808	CN 99806959	A	19990602	200173

Priority Applications (No Type Date): US 9888950 A 19980602

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9963742 A1 E 18 H04M-011/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN

CU CZ DE DK EE ES FI GB GD GE GH GM HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW  
AU 9943304 A H04M-011/00 Based on patent WO 9963742  
EP 1084565 A1 E H04M-011/00 Based on patent WO 9963742  
Designated States (Regional): CH DE DK ES FI FR GB LI SE  
US 6240088 B1 H04L-012/28  
CN 1307776 A H04M-011/00

Abstract (Basic): WO 9963742 A1

NOVELTY - An electronic transmitter transmits initial portion of data package containing identifying information pertaining to next portion of package to a receiver. The transmitter in response to transmit instruction from the receiver, transmits the portion of the data package requested by the user at the receiver side.

DETAILED DESCRIPTION - The initial portion of the data package includes lesser information than the latter information. The information received at the receiver may be of either voice or text message and the receiver may be of either voice mail box or facsimile machine or pager.

USE - For narrow band personal communication system such as E-mail, pager, etc.

ADVANTAGE - Large amount of data are transmitted to wireless device such as pager in single occurrence of RF channel by dividing into smaller data sub-packages that can be controlled by two way paging infra structure. As the user can control the number of data sub-packages sent, correspondingly the charge of data transmission can be calculated on data amount basis. The size of the smaller data packages can be varied with the protocol which divides the large amount of data into smaller sub-packages.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart depicting received and processing by a paging infra structure of MCR responses by a two way pager.

pp; 18 DwgNo 2/2

Title Terms: TWO; STAGE; DATA; TRANSMIT; METHOD; NARROW; BAND; COMMUNICATE; SYSTEM; MAIL; PAGE

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/28; H04M-011/00

International Patent Class (Additional): H04J-003/24; H04L-012/56;

H04Q-001/30; H04Q-007/00

File Segment: EPI

16/5/8 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011305574 \*\*Image available\*\*

WPI Acc No: 1997-283479/199726

XRPX Acc No: N97-234729

Creation and printing of cheques and combined letters and cheques - has payee and amount of cheque printed both in ink and using perforations generated by laser beam

Patent Assignee: DI GIUSTO R (DGIU-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2740727	A1	19970509	FR 9513371	A	19951108	199726 B

Priority Applications (No Type Date): FR 9513371 A 19951108

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2740727	A1	12		B41G-007/00	

Abstract (Basic): FR 2740727 A

The cheque production has several stages that are executed successively or in parallel. The amount of the cheque and the payee are printed onto the paper, which is pre-printed with partial information.



The printing is by ink deposits and by perforations.

The perforations are formed by laser, and are of known diameters and spacing, and with the laser beam at a slight inclination to the paper. The identity of the payee and the amount of the cheque are printed at least twice on the cheque, in differing printing formats. The second printing is encoded and coded to a form that is to be translated by an **algorithm**.

ADVANTAGE - Reduced cost, provides security against fraudulent alteration.

Dwg.1/1

Title Terms: CREATION; PRINT; CHEQUE; COMBINATION; **LETTER** ; CHEQUE; AMOUNT ; CHEQUE; PRINT; INK; PERFORATION; GENERATE; LASER; BEAM

Derwent Class: P74; P75; T04; T05

International Patent Class (Main): B41G-007/00

International Patent Class (Additional): B41J-002/455; B41J-003/50;

G06K-001/20; G07D-007/00

File Segment: EPI; EngPI

16/5/9 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011129808 \*\*Image available\*\*

WPI Acc No: 1997-107732/199710

XRPX Acc No: N97-089144

**Portable visual acuity testing device - has visual acuity level calculator electrically coupled to distance meter and responsive to predetermined size of image**

Patent Assignee: KAWESCH G M (KAWE-I)

Inventor: KAWESCH G M

Number of Countries: 001 Number of Patents: 001 .

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5596379	A	19970121	US 95547649	A	19951024	199710 B

Priority Applications (No Type Date): US 95547649 A 19951024

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5596379	A		9	A61B-003/02	

Abstract (Basic): US 5596379 A

The device includes a portable visual acuity testing structure including at least one image display portion having an image of a predetermined size. A visual acuity level meter and reporter are disposed within the portable visual acuity testing structure. The visual acuity level meter and reporter includes a distance meter for measuring a distance from the person being tested to the portable visual acuity testing structure.

A visual acuity level **calculator** is electrically coupled to the distance meter and responsive to the predetermined size of the image. A visual acuity level display portion is electrically coupled to the visual acuity level **calculator** , for displaying the visual acuity level.

USE/ADVANTAGE - In visual acuity testing system. Allows automatically **calculation** of visual acuity **level** at **various** distances from person being tested. Provides added flexibility of varying sizes and types of **letters** or symbols.

Dwg.1/3

Title Terms: PORTABLE; VISUAL; ACUITY; TEST; DEVICE; VISUAL; ACUITY; LEVEL; **CALCULATE** ; ELECTRIC; COUPLE; DISTANCE; METER; RESPOND; PREDETERMINED; SIZE; IMAGE

Derwent Class: P31; S05

International Patent Class (Main): A61B-003/02

International Patent Class (Additional): A61B-003/00

File Segment: EPI; EngPI

16/5/10 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010664881 \*\*Image available\*\*  
WPI Acc No: 1996-161835/199617  
XRPX Acc No: N96-135543

**Multiple page printing method with identical background image - involves storing page specific data in cache memory and common background data in bitmap memory, then combining them**

Patent Assignee: AGFA-GEVAERT NV (GEVA )  
Inventor: HERREGODS M; TJANTELE D  
Number of Countries: 007 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 703524	A1	19960327	EP 94202642	A	19940913	199617 B
JP 8115178	A	19960507	JP 95257229	A	19950911	199628
EP 703524	B1	19970108	EP 94202642	A	19940913	199707
DE 69401435	E	19970220	DE 601435	A	19940913	199713
			EP 94202642	A	19940913	
US 6064397	A	20000516	US 95525054	A	19950908	200031

Priority Applications (No Type Date): EP 94202642 A 19940913  
Cited Patents: 02Jnl.Ref; EP 131966; GB 2220511; JP 4059372; JP 5270093; US 5104245

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 703524	A1	E	17	G06F-003/00	
Designated States (Regional): BE DE FR GB NL					
JP 8115178	A		17	G06F-003/12	
EP 703524	B1	E	20	G06F-003/00	
Designated States (Regional): BE DE FR GB NL					
DE 69401435	E			G06F-003/00	Based on patent EP 703524
US 6064397	A			G06T-011/00	

**Abstract (Basic): EP 703524 A**

The method involves generating a bitmap representation for a background image region. This representation is stored in a bitmap memory. Portions of a representation of page specific image regions are stored in a cache memory. A bitmap representation is generated for page specific image regions and is stored in the bitmap memory.

Contents of the bitmap memory are output to a marking engine so as to print a page. One saved portion from the cache memory is restored to the bitmap memory. The steps are repeated until all of the pages are printed.

USE/ADVANTAGE - For direct mailing or personalised printed matter. Provides high quality image. Generates page in single print pass. Requires less computational power.

Dwg.2/4

Title Terms: MULTIPLE; PAGE; PRINT; METHOD; IDENTICAL; BACKGROUND; IMAGE; STORAGE; PAGE; SPECIFIC; DATA; CACHE; MEMORY; COMMON; BACKGROUND; DATA; MEMORY; COMBINATION

Derwent Class: P75; T01; T04

International Patent Class (Main): G06F-003/00; G06F-003/12; G06T-011/00

International Patent Class (Additional): B41J-005/30; G06K-015/00

File Segment: EPI; EngPI

16/5/11 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010402468 \*\*Image available\*\*  
WPI Acc No: 1995-303781/199540  
XRPX Acc No: N95-230799

**Secure communication for distributed network - maintaining secret values for sequence of periods each value being shared by several processors for several periods**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )  
Inventor: CANETTI R; HERZBERG A  
Number of Countries: 005 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 670644	A1	19950906	EP 95480011	A	19950221	199540 B
JP 7264179	A	19951013	JP 94326393	A	19941227	199550
US 5469507	A	19951121	US 94203965	A	19940301	199601

Priority Applications (No Type Date): US 94203965 A 19940301

Cited Patents: 3.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 670644	A1	E	17	H04L-009/08	
Designated States (Regional): DE FR GB					
JP 7264179	A		17	H04L-009/06	
US 5469507	A		15	H04K-001/00	

Abstract (Basic): EP 670644 A

The method maintains secret values for a sequence of periods, each secret value shared by two or more processors for one or several periods. Secret values are securely stored in each processor. In each processor, at the end of a period, messages are **calculated** to be sent to other processors as a function of values held in the processor at that time.

The messages are transferred to the processors by means of the communication network. In each processor new secret values are **calculated** as a function of messages received from the processors. The secret values are periodically replaced. Pref., the secret values are replaced by randomly selecting a pair of public and private keys of a public-cryptosystem. The public key is signed with the old secret value stored in the processor. The signed public key is sent to other processors connected to the communication network.

USE/ADVANTAGE - Assures secure communication and distributed **computation** in distributed environment which contains insecure communication links and processors.

Dwg.2/6

Title Terms: SECURE; COMMUNICATE; DISTRIBUTE; NETWORK; MAINTAIN; SECRET; VALUE; SEQUENCE; PERIOD; VALUE; SHARE; PROCESSOR; PERIOD

Derwent Class: W01

International Patent Class (Main): H04K-001/00; H04L-009/06; H04L-009/08

International Patent Class (Additional): G06F-015/16; G09C-001/00;

H04L-009/14; H04L-009/32

File Segment: EPI

16/5/12 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010344044

WPI Acc No: 1995-246132/199532

Related WPI Acc No: 2000-245767

XRAM Acc No: C95-112923

XRPX Acc No: N95-191172

Multiple layer reflective polariser display for e.g. lap-top computers - has reflective polariser locked between LCD module and optical cavity providing randomisation of polarisation of incident light

Patent Assignee: MINNESOTA MINING & MFG CO (MINN )

Inventor: BENSON O; COBB S; JONZA J M; OUDERKIRK A J; STOVER C A; WEBER M F ; WORTMAN D L

Number of Countries: 057 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9517699	A1	19950629	WO 94US14325	A	19941220	199532 B
AU 9514347	A	19950710	AU 9514347	A	19941220	199543
EP 736196	A1	19961009	WO 94US14325	A	19941220	199645
			EP 95905914	A	19941220	

JP 9506984	W	19970708	WO 94US14325	A	19941220	199737
			JP 95517485	A	19941220	
CN 1138379	A	19961218	CN 94194568	A	19941220	199806
MX 200137	B	20001218	MX 95119	A	19950102	200220
EP 736196	B1	20020717	WO 94US14325	A	19941220	200254
			EP 95905914	A	19941220	

Priority Applications (No Type Date): US 93172596 A 19931221

Cited Patents: 02Jnl.Ref; EP 492636; EP 573905; JP 63168626; WO 9411776; WO 9429765

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9517699	A1	E	71	G02F-001/1335	
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Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ

AU 9514347	A			G02F-001/1335	Based on patent WO 9517699
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EP 736196	A1	E		G02F-001/1335	Based on patent WO 9517699
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Designated States (Regional): DE FR GB IT NL

JP 9506984	W		83	G02F-001/1335	Based on patent WO 9517699
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CN 1138379	A			G02F-001/1335	
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MX 200137	B			G02B-005/30	
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EP 736196	B1	E		G02F-001/1335	Based on patent WO 9517699
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Designated States (Regional): DE FR GB IT NL

#### Abstract (Basic): WO 9517699 A

The optical display comprises a liq. crystal module (LCD) and an optical cavity (24) positioned proximate the liq. crystal module (16) and providing randomisation of polarisation orientation to light incident upon a surface within the optical contg.. A reflective polariser (12) is located between the LCD module and the optical cavity, and is illuminated by the **letter** for transmitting light having a first polarisation orientation, and for reflecting light that does not have the first polarisation orientation towards the optical cavity.

The reflective polariser matt comprises a layer of stretched polymeric material. Pref. the polariser comprises a **multiple layer** stack of **pairs** of polymeric material **layers**, each **pair** exhibiting a refractive index difference between layers for polarised light associated with a first direction and exhibiting essentially no refractive index difference in between layers for polarised light associated with a second direction orthogonal to the first direction. Pref. the reflective polariser comprises alternating **pairs** of **layers** of polyethylene naphtholate (PEN) and copolyester of naphthalene dicarboxylic acid and terephthalic or isophthalic acid (COPEN).

USE/ADVANTAGE - In hand-held **calculators**, digital watches. Can develop adequate brightness and contrast under both ambient and backlight illumination.

Dwg.1/35

Title Terms: MULTIPLE; LAYER; REFLECT; POLARISE; DISPLAY; LAP; TOP; COMPUTER; REFLECT; POLARISE; LOCK; LCD; MODULE; OPTICAL; CAVITY; RANDOM; POLARISE; INCIDENT; LIGHT

Derwent Class: A23; A89; P81; U14

International Patent Class (Main): G02B-005/30; G02F-001/1335

File Segment: CPI; EPI; EngPI

16/5/13 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010259071

WPI Acc No: 1995-160326/199521

XRAM Acc No: C95-074437

XRPX Acc No: N95-125721

Detection of gamma-immunoglobulin disorder - by comparing inner and outer

**precipitin ring diameter and immunoglobulin G level ratios for 2  
mixed chain systems with norm**

Patent Assignee: IMMUNOTEST STOCK CO (IMMU-R); MOSC EPIDEMIOLOGY &  
MICROBIOL INST (MOEP-R)

Inventor: BATALOVA T N; CHERNOKHVESTOVA E V; GERMAN G P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2019831	C1	19940915	SU 4269111	A	19870528	199521 B

Priority Applications (No Type Date): SU 4269111 A 19870528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RU 2019831	C1		3	G01N-033/53	

Abstract (Basic): RU 2019831 C

Immunoglobulin disorder can be diagnosed with enhanced accuracy by placing test serum and standard serum dilutions in the wells of 2 agar plates, one of which contains antiserum to gamma and lambda Ig chains (I) and the other antiserum to gamma and kappa chains (II). The internal and external diameters of the precipitin rings are then measured. For the agar plate contg. (I) the ratio of the 2 diameters is assigned the **letter** A and for the plate contg. (II) the ratio is B. IgG content is then **calculated** for the 2 systems (C and D respectively). If any one of the 3 indices (A, B or D/C) fails to conform to the norm (0.75-0.85, 1.0 and 0.81-1.20 respectively), gammopathy is diagnosed.

USE - In immunology.

ADVANTAGE - Plasma immunoglobulin abnormality type can be determined whatever the range of results.

Dwg.0/0

Title Terms: DETECT; GAMMA; IMMUNOGLOBULIN; DISORDER; COMPARE; INNER; OUTER  
; RING; DIAMETER; IMMUNOGLOBULIN; LEVEL; RATIO; MIX; CHAIN; SYSTEM; NORM

Derwent Class: B04; S03

International Patent Class (Main): G01N-033/53

File Segment: CPI; EPI

16/5/14 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009747760 \*\*Image available\*\*

WPI Acc No: 1994-027611/199404

XRPX Acc No: N94-021408

**DTMF signal detection for voice processing appts. - uses quality and  
stability data of DTMF signal from power and history statistics to rate  
DTMF signals and also pre-filters trans-hybrid**

Patent Assignee: ROLM CO (ROLM-N); SIEMENS BUSINESS COMMUNICATION SYSTEMS  
INC (SIEI ); SIEMENS ROLM COMMUNICATIONS INC (SIEI ); SIEMENS PRIVATE  
COMMUNICATIONS SYSTEMS (SIEI ); SIEMENS ROLM COMMUNICATION INC (SIEI )

Inventor: HAGH-PANAH M; LOCKE M E

Number of Countries: 005 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 579927	A2	19940126	EP 93108380	A	19930524	199404 B
JP 6078345	A	19940318	JP 93153412	A	19930624	199416
EP 579927	A3	19940831				199531
US 5528663	A	19960618	US 92903440	A	19920624	199630
			US 94231949	A	19940402	
			US 95508789	A	19950726	

Priority Applications (No Type Date): US 92903440 A 19920624; US 94231949 A  
19940402; US 95508789 A 19950726

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 347038; GB 2219174; US 5073941; WO  
8101623

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 579927      A2 E    28 H04Q-001/46  
Designated States (Regional): DE FR GB  
JP 6078345      A        24 H04Q-001/45  
US 5528663      A        16 H04M-003/04    Cont of application US 92903440  
Cont of application US 94231949  
EP 579927      A3            H04Q-001/46

Abstract (Basic): EP 579927 A

The voice store and forwarding (VSF) appts. includes a DTMF detection circuit. The public network signal (12) is entered into a trans-hybrid circuit (16) of the VSF (14). The output of this feeds 8,000 samples/sec to a sampling appts. (18) and is also connected to a voice output circuit (24). The sampler output feeds a DTMF detection circuit (20).

The sampling circuit provides a 1 to 4 rating of the DTMF signal where rating 4 = not-DTMF. The ratings depend upon component and signal power. A timing/stability **algorithm** uses the rating and historic timing data to form a final DTMF value.

ADVANTAGE - Improvement in talk-off and recognition performance.

Dwg.1/7

Title Terms: DTMF; SIGNAL; DETECT; VOICE; PROCESS; APPARATUS; QUALITY; STABILISED; DATA; DTMF; SIGNAL; POWER; HISTORY; STATISTICAL; RATE; DTMF; SIGNAL; PRE; FILTER; TRANS; HYBRID

Index Terms/Additional Words: Dual; Tone; Multifrequency; reception; detection; voice; store; forward; **mail**

Derwent Class: W01

International Patent Class (Main): H04M-003/04; H04Q-001/45; H04Q-001/46

International Patent Class (Additional): H04M-001/50; H04M-011/00

File Segment: EPI

16/5/15      (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009564632    \*\*Image available\*\*

WPI Acc No: 1993-258180/199332

XRPX Acc No: N93-198671

**Grade-averaging hand-held calculator for use by teachers - averages sequence of intermixed letter and numeric grades**

Patent Assignee: BRITTAN J L (BRIT-I)

Inventor: BRITTAN J L

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5233552	A	19930803	US 91798498	A	19911126	199332 B

Priority Applications (No Type Date): US 91798498 A 19911126

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5233552	A	12	G06F-007/38	

Abstract (Basic): US 5233552 A

The **calculator** includes **two** separate inputs for inputting **letter grades** and numeric grades respectively. Either all of the input **letter** grades or all of the input numeric grades are converted into a format enabling the numeric grades and the **letter** grades to be commonly processed. An average of sequence of input and converted **letter** and numeric grades is **calculated** by a processor.

Weights are stored to be associated with each ordinal position of grades input sequence. The processor assigns each grade in each ordinal position the associated weight in **calculating** the average.

USE/ADVANTAGE - For simultaneous mixed processing of both numerical and **letter** grades. Accommodates missed tests.

Dwg.6/7

Title Terms: GRADE; AVERAGE; HAND; HELD; **CALCULATE** ; TEACH; AVERAGE; SEQUENCE; INTERMIXING; **LETTER** ; NUMERIC; GRADE

Derwent Class: T01; W04

International Patent Class (Main): G06F-007/38  
File Segment: EPI

16/5/16 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009512125 \*\*Image available\*\*  
WPI Acc No: 1993-205661/199325  
Related WPI Acc No: 1991-036500; 1991-339435  
XRPX Acc No: N93-158149

Speech recognition by predetermining series of parameter vectors -  
representative of standard patterns of speeches of preset word, where  
letter J denotes predetermined natural number

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU )

Inventor: KIMURA T; WATANABE T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5220609	A	19930615	US 88167794	A	19880314	199325 B
			US 90503080	A	19900402	
			US 91777713	A	19911021	

Priority Applications (No Type Date): JP 8769344 A 19870324; JP 8759407 A  
19870313; JP 8759413 A 19870313; JP 8768436 A 19870323

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5220609	A		13	G10L-005/00	Cont of application US 88167794 CIP of application US 90503080

Abstract (Basic): US 5220609 A

Parameters, xi, representative of data of respective frames of an input signal, are derived, the adscript i denoting a frame number. The frame signals are applied to a speech analyser (2) and a feature parameter extractor (3). A syn. signal generator (4) also delivers a timing signal to a standard pattern selector (5).

A standard pattern storage (6) holds standard patterns of preset words identified by numbers k = 1, 2, ..., K respectively. The selector (5) delivers a control signal to the standard pattern storage and a similarity calculator (9) in synchronism with the timing signal. During a one-frame interval, the output control signal from the standard pattern selector sequentially represents the word numbers k = 1, 2, ..., K so that the standard patterns corresp. to the word numbers k = 1, 2, ..., K are sequentially selected and transferred from the standard pattern storage to a partial similarity calculator (7). The latter determines a partial similarity between a selected standard pattern and a feature vector by referring to a given equation.

Dwg.3/5

Title Terms: SPEECH; RECOGNISE; PREDETERMINED; SERIES; PARAMETER; VECTOR;  
REPRESENT; STANDARD; PRESET; WORD; LETTER; DENOTE; PREDETERMINED;  
NATURAL; NUMBER

Derwent Class: P86; W04

International Patent Class (Main): G10L-005/00

File Segment: EPI; EngPI

16/5/17 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007820330  
WPI Acc No: 1989-085442/198911  
Related WPI Acc No: 1988-013915; 1992-123044  
XRPX Acc No: N89-065212

Postage stamp with detachable machine-readable labels - has labels for  
source and destination postcode which can be read by automatic sorting  
machine

Patent Assignee: MIKHAIL A G (MIKH-I); AMIR G M (AMIR-I)

Inventor: MIKHAIL A G

Number of Countries: 004 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8901831	A	19890309	WO 88US2705	A	19880811	198911 B
US 4876000	A	19891024	US 8790839	A	19870828	199001
US 4978145	A	19901218	US 89346233	A	19890501	199102
JP 3503021	W	19910711	JP 88506881	A	19880811	199134
EP 477169	A	19920401	EP 88906801	A	19880811	199214
EP 477169	B1	19941228	EP 88906801	A	19880811	199505
			WO 88US2705	A	19880811	
DE 3852654	G	19950209	DE 3852654	A	19880811	199511
			EP 88906801	A	19880811	
			WO 88US2705	A	19880811	
RU 2054338	C1	19960220	SU 4830746	A	19880811	199646
			WO 88US2704	A	19880811	

Priority Applications (No Type Date): US 8790839 A 19870828; US 86819298 A 19860116; US 89346233 A 19890501

Cited Patents: GB 2097330; US 3774758; US 3995741; US 4488610; US 4649266; US 4715622; DE 1807056; DE 3017088; US 4201339

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8901831	A	E	20		
US 4876000	A		9		
EP 477169	A		20		
EP 477169	B1	E	15	B07C-003/18	Based on patent WO 8901831
DE 3852654	G			B07C-003/18	Based on patent EP 477169
					Based on patent WO 8901831
RU 2054338	C1		9	B07C-005/342	

Abstract (Basic): WO 8901831 A

Along with the adhesive-backed picture are two detachable labels which can be marked with the postcodes of the source and of the destination, using a stencil, and then stuck to the **letter** or parcel. The source and destination postcodes are read from the labels and the **postal** charge is **calculated**.

This value is checked against the machine-readable value on the conventional **postage** stamp. If there is more **postage** due, the packet is diverted for special attention, otherwise it is sent to the bin appropriate to its destination.

USE/ADVANTAGE - Prepare for fully automatic system for sorting mail .

Dwg.0/25

Title Terms: **POSTAGE** ; STAMP; DETACH; MACHINE; READ; LABEL; LABEL; SOURCE; DESTINATION; POSTCODE; CAN; READ; AUTOMATIC; SORT; MACHINE

Derwent Class: P43; P76; P85; T04; T05

International Patent Class (Main): B07C-003/18; B07C-005/342

International Patent Class (Additional): B07C-003/00; B07C-005/00;

B42D-015/00; G07B-017/00; G09F-001/02

File Segment: EPI; EngPI

16/5/18 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007774387

WPI Acc No: 1989-039499/198905

XRPX Acc No: N89-030177

Low bit rates speech coding method - deriving code sequence from previous sequence by removing and adding elements at beginning and end respectively

Patent Assignee: BELL COMMUN RES (BELL-N)

Inventor: LIN D

Number of Countries: 001 Number of Patents: 001

Patent Family:



Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4797925	A	19890110	US 86911776	A	19860926	198905 B

Priority Applications (No Type Date): US 86911776 A 19860926

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4797925	A	6		

Abstract (Basic): US 4797925 A

The method includes the steps of generating a set of related code sequences such that each succeeding code sequence is generated from the preceding code sequence by removing one or more elements from the beginning of and adding one or more elements to the end of the preceding code sequence. Each code sequence is processed by applying the sequence to a digital filter and the processed sequence is compared with the block of speech signal to determine which processed sequence is closest to the block of speech signal.

The information identifying the code sequence closest to the block of speech signal is transmitted to receiver. The processing **step** includes the **step** of **multiplying** each code sequence by an amplitude factor.

USE/ADVANTAGE - E.g. for digital encryption, mobile telephony and voice **mail** . Requires less **computational** resources.

1/2

Title Terms: LOW; BIT; RATE; SPEECH; CODE; METHOD; DERIVATIVE; CODE; SEQUENCE; SEQUENCE; REMOVE; ADD; ELEMENT; BEGIN; END; RESPECTIVE

Index Terms/Additional Words: DIGITAL; ENCRYPTION; MOBILE; TELEPHONE; VOICE ; **MAIL**

Derwent Class: P86; U21; W02

International Patent Class (Additional): G10L-005/00

File Segment: EPI; EngPI

16/5/19 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007477932 \*\*Image available\*\*

WPI Acc No: 1988-111866/198816

XRPX Acc No: N88-084980

**Bank cheque detection appts. for unopened mail - senses presence of magnetic ink within package by magnetising and selectively re-magnetising ferromagnetic material package**

Patent Assignee: ELECTROCOM AUTOM (ELEC-N)

Inventor: AUGUST G; BUBENIK D M; NILES R K; PIPPIN J M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4734643	A	19880329	US 85762711	A	19850805	198816 B

Priority Applications (No Type Date): US 85762711 A 19850805

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4734643	A	9		

Abstract (Basic): US 4734643 A

A detector generates signals responding to the magnetic moments within the package and not responding to the transport for the package. Signals from the detector are processed, compared to standards and a determination is made of whether magnetic ink is present. Signals from the detector are processed e.g **sequentially** filtering, amplifying, and **multiplexing** before digitising and time justifying the processed signals.

The digitised signals are then buffered and data generated by applying **algorithms** to them. The generated data are compared with pre-established standards to determine if magnetic ink is present within the package. The buffered digitised signals or the results of the comparison are output so that system performance can be evaluated.

ADVANTAGE - Eliminates magnetic noise from equipment itself and from environment.

5/6

Title Terms: BANK; CHEQUE; DETECT; APPARATUS; UNOPENED; **MAIL** ; SENSE; PRESENCE; MAGNETIC; INK; PACKAGE; MAGNETISE; SELECT; MAGNETISE; FERROMAGNETIC; MATERIAL; PACKAGE  
Derwent Class: P43; S03; T04; T05  
International Patent Class (Additional): B07C-005/34; G01N-027/72; G01R-033/12; G06K-007/08  
File Segment: EPI; EngPI

16/5/20 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007274138

WPI Acc No: 1987-271145/198738

XRPX Acc No: N87-203176

**Electronic module for postal scales - has microprocessor mounted on board, for processing weight information and-or postal data relating to item to be mailed**

Patent Assignee: PITNEY BOWES INC (PITB )

Inventor: MANDULEY F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4692870	A	19870908	US 84684411	A	19841220	198738 B

Priority Applications (No Type Date): US 84684411 A 19841220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4692870	A		12		

Abstract (Basic): US 4692870 A

The module includes a microprocessor and associated circuitry, connectors for connecting ROM, which store firmware for controlling the microprocessor, and PROM, which stores **postal** rate charts. The module further includes an input/output connector, a serial interface for communications with **postage** meters, a non-volatile memory for storing parameters specific to particular units, and an auxiliary input/output connector. The latter is driven by selected, memory mapped interface circuitry mounted on the PROM card. The module also includes a load cell interface and a power supply.

Switches, responsive to the microprocessor, are provided for **sequentially** energising **various** connectors and interfaces, so as to reduce power requirements. System comprising **computation** and control module is further provided. Other system including battery powered module mechanically and electrically interconnected by a power distribution bus can be provided as a modular power bus.

USE/ADVANTAGE - For handling **computational** and communications functions for broad line of **postal** scale products and other **mail** room systems.

Title Terms: ELECTRONIC; MODULE; **POSTAL** ; SCALE; MICROPROCESSOR; MOUNT; BOARD; PROCESS; WEIGHT; INFORMATION; AND-OR; **POSTAL** ; DATA; RELATED; ITEM; **MAIL**

Derwent Class: T01; T05

International Patent Class (Additional): G06F-015/20

File Segment: EPI

16/5/21 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004674138

WPI Acc No: 1986-177480/198628

XRPX Acc No: N86-132546

Mail -room and business systems computation and control module - has range of connectors giving additional memory capacity to microprocessor and allowing for future expansion

Patent Assignee: PITNEY BOWES INC (PITB )

Inventor: MANDULEY F

Number of Countries: 008 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 186881	A	19860709	EP 85116374	A	19851220	198628 B
US 4649491	A	19870310	US 84684409	A	19841220	198712
CA 1240064	A	19880802				198835
EP 186881	B	19910612				199124
DE 3583225	G	19910718				199130

Priority Applications (No Type Date): US 84684409 A 19841220

Cited Patents: DE 2224845; DE 2549460; DE 3040549; DE 3123618; EP 155671; EP 90630; No-SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 186881 A E 27

Designated States (Regional): CH DE FR GB LI NL

EP 186881 B

Designated States (Regional): CH DE FR GB LI NL

Abstract (Basic): EP 186881 A

A large printed circuit board accommodates the components and connectors including an integrated circuit microprocessor (20). Connectors (40,50,60) connect the microprocessor (20) to the memory modules (42,52,62). One connector (40) gives access to 8 to 24 milobytes of read-only-memory (ROM), mounted on a paddle board (42) which is used to control the postal scale.

Another connector (50) connects 8 to 16 milobytes of programmable-read-only memory (PROM), on a paddle board (52), to the microprocessor for use in storing postal rate charts and zip-to-zone information which requires periodic updating. The third connector (60) allows 8 to 16 kilobytes on a paddle board (62) for further expansion. Connectors (70 and 80) are provided to allow for an operator interface in terms of keyboard and local display and also for a remote display.

USE - In digital business and mail room systems where both power and mechanical interconnections are made in a single, simple state.

Title Terms: MAIL ; ROOM; BUSINESS; SYSTEM; COMPUTATION ; CONTROL; MODULE ; RANGE; CONNECT; ADD; MEMORY; CAPACITY; MICROPROCESSOR; ALLOW; FUTURE; EXPAND

Index Terms/Additional Words: FRANKING ; MAIL

Derwent Class: S02; T05

International Patent Class (Additional): G01G-019/00; G06F-015/20; G07B-017/02; H05K-007/00

File Segment: EPI

16/5/22 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003715369

WPI Acc No: 1983-711552/198328

XRFX Acc No: N83-123419

Mailing system with sequential printing control - dispenses postage valve which exceeds digit printing capacity of processor controlled postage meter

Patent Assignee: PITNEY BOWES INC (PITB )

Inventor: DLUGOS D F

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4390952	A	19830628				198328 B
CA 1169563	A	19840619				198429

Priority Applications (No Type Date): US 80163596 A 19800627

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4390952	A		10		

Abstract (Basic): US 4390952 A

The processor controlled automated **mailing** system determines and prints the requisite **postage** for **mailing** an article and includes a scale, a keyboard for operator input, a display and a meter setting device. After the requisite **postage** has been determined, a **postage** printing cycle is initiated by the operator. The processor determines whether the **calculated postage** value exceeds the digit printing capacity of the meter and, if so, advises the operator.

The operator then determines if an entry error has been made and if not, reactivates the printing cycle. The processor then initiates the meter setting device to **sequentially print multiple** tapes with each depression of the print key until the total value printed reaches the **calculated postage** value. An alternate embodiment incorporates a circuit for implementation of the method without processor control.

Title Terms: **MAIL** ; **SYSTEM**; **SEQUENCE**; **PRINT**; **CONTROL**; **DISPENSE**; **POSTAGE** ; **VALVE**; **DIGITAL**; **PRINT**; **CAPACITY**; **PROCESSOR**; **CONTROL**; **POSTAGE** ; **METER**

Derwent Class: T01; T05

International Patent Class (Additional): G06F-003/12; G06F-015/20

File Segment: EPI

16/5/23 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003489562

WPI Acc No: 1982-37525E/198219

**LCD with fixed display pattern and operating display - useful as watch or calculator display**

Patent Assignee: CANON KK (CANO )

Inventor: SEKIMURA N

Number of Countries: 004 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3138067	A	19820506	DE 3138067	A	19810924	198219 B
JP 57058127	A	19820407	JP 80133738	A	19800926	198220
JP 57058128	A	19820407	JP 80134109	A	19800925	198220
JP 57058129	A	19820407				198220
GB 2088110	A	19820603	GB 8127993	A	19810916	198222
US 4433900	A	19840228	US 81304312	A	19810921	198411
GB 2088110	B	19850130				198505
JP 87031327	B	19870708				198730
JP 87031328	B	19870708				198730
DE 3138067	C	19871126				198747

Priority Applications (No Type Date): JP 80133739 A 19800926; JP 80134109 A 19800925; JP 80134110 A 19800925; JP 80133736 A 19800926; JP 80133738 A 19800926

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3138067	A		50		

Abstract (Basic): DE 3138067 A

LCD with a liquid crystal **layer** laminated between a **pair** of substrates, at least one of which is transparent, has a fixed display pattern formed by applying a potential to the liq. crystal layer.

Pref. the substrates have conductive coatings for forming the fixed display pattern by applying an a.c. potential higher than the operating potential or a d.c. potential, pref. min. 10 (min. 20) V a.c. or min. 3 (min. 10, esp. min. 20) V d.c. Nematic liq. crystals with positive dielectric anisotropy are pref. used, esp. a mixt. of phenylcyclohexane and biphenylcyclohexane types or a liq. crystal of the cyclohexane, azoxy or Schiff's base type. The liq. crystal can contain a cholesteric

liq. crystal or a dichroitic dyestuff of the anthraquinone or azo type. It is also possible to use liq. crystals with negative dielectric anisotropy of the azo or benzyldiene-aniline type or pleochroitic liq. crystals with positive or negative dielectric anisotropy. The conductive films pref. have orienting coating, which can consist of SiO2 or an organic material, i.e. polyimides, polybenzoxazoles, polybenzothiazoles, polybenzimidazoles, poly-p- xylylenes, polyolefins, polyfluoroethylenes or polyester.

The fixed display pattern can be incorporated with the same precision as the operating display pattern, e.g. in the form of numerals, **letters** and/or dots. It does not have a relief appearance and is useful for watches, electronic **calculators**, etc.

Title Terms: LCD; FIX; DISPLAY; PATTERN; OPERATE; DISPLAY; USEFUL; WATCH; **CALCULATE**; DISPLAY

Index Terms/Additional Words: LIQUID; CRYSTAL

Derwent Class: A85; E19; L03; P85; U14

International Patent Class (Additional): G02F-001/13; G09F-007/00; G09F-009/35

File Segment: CPI; EPI; EngPI

16/5/24 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003331590

WPI Acc No: 1982-H9603E/198227

Post code recognising system - computes similarity differences for letters and numerals read from postal address on basis of stored standard patterns

Patent Assignee: TOKYO SHIBAURA DENKI KK (TOKE )

Inventor: SHIZUNO M

Number of Countries: 006 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 54842	A	19820630				198227 B
US 4484348	A	19841120	US 81233229	A	19811218	198449
EP 54842	B	19860416				198616
DE 3174426	G	19860522				198622

Priority Applications (No Type Date): JP 80181612 A 19801222

Cited Patents: 1.Jnl.Ref; DE 2349116; DE 2545753; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 54842	A	E	18		
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Designated States (Regional): DE FR GB IT NL

EP 54842	B	E			
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Designated States (Regional): DE FR GB IT NL

Abstract (Basic): EP 54842 A

The optical scanner reads out the address including the post code and provides corresponding signals which are quantised. A similarity computing section determines similarities between each **letter** pattern from section relative to numerals and **letter** using the respective thesauruses. The resulting output is supplied to a category judgement section where maxima of similarities relative to a number and to a **letter** are extracted. A value for higher similarities and the **letter** and a value for lower similarities and the **letter** are both **computed**

The difference between these **letters** is **computed**. The greater the difference the more confidence there is in the category judgement section result. A threshold table stores levels corresponding to combinations of the first candidate characters of the highest numeric and alphabetic similarities. A format judgement section is connected to the detecting section and category judgement section to compare the category with a series supplied from a format table.

Title Terms: POST; CODE; RECOGNISE; SYSTEM; **COMPUTATION**; SIMILAR; DIFFER; **LETTER**; NUMBER; READ; **POSTAL**; ADDRESS; BASIS; STORAGE; STANDARD;

PATTERN

Derwent Class: T04

International Patent Class (Additional): G06K-009/68

File Segment: EPI

16/5/25 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003092415

WPI Acc No: 1981-K2463D/198140

Optical character reader for e.g. mail postal code - has two - level scanning system with low resolution scanner determining area in which recognition circuit operates

Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (TOKE )

Inventor: IKEDA T; IWAMOTO M; KIZU S

Number of Countries: 005 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 36149	A	19810923				198140 B
US 4516265	A	19850507	US 82365385	A	19820405	198521

Priority Applications (No Type Date): JP 8032300 A 19800314

Cited Patents: 1.Jnl.Ref; No-citns.; US 3846753; US 4034341; US 4061914; US 4158835

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 36149	A	E 9		

Designated States (Regional): DE FR GB IT

Abstract (Basic): EP 36149 A

The reader, e.g. for post codes or 'zip numbers', uses two scanners. The first (13) determines the character area of the mail (12) to be processed, and is in a reader (11) which also includes a lamp (15) and reflector (16) to illuminate the mail through condensing lenses (17,18). The scanner (13) which is a self-scanned image sensor e.g. a CCD, is connected to a character area detecting circuit (19) where a wave-shaping circuit processes the signal before feeding it to an A/D converter. The digital output is stored in a memory and then fed to a coordinate calculator from which an analogue equivalent is produced in a D/A converter, which, after amplification, is used to drive a mirror-galvanometer arrangement (32,34), in the second reader (31).

This reader has a similar lamp reflector system to that of the first, the scanner (39) receiving light from an area of the mail determined by the extent of galvanometer movement controlled by the area detecting circuit (19). The character recognition circuit (40) may be of conventional type. Use of two scanners enables scanning of the limited character area with closely spaced lines for high resolutions.

1

Title Terms: OPTICAL; CHARACTER; READ; MAIL ; POSTAL ; CODE; TWO; LEVEL; SCAN; SYSTEM; LOW; RESOLUTION; SCAN; DETERMINE; AREA; RECOGNISE; CIRCUIT; OPERATE

Derwent Class: P43; P85; T04

International Patent Class (Additional): B07C-003/14; G06K-009/32;

G09K-009/20

File Segment: EPI; EngPI

16/5/26 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001427728

WPI Acc No: 1975-77463W/197547

Multi - layer liquid crystal display device - for use e.g. in displaying numerals in electronic calculators

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU )

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2260155	A	19751003				197547 B
JP 50110296	A	19750830				199142
JP 50110297	A	19750830				199142

Priority Applications (No Type Date): JP 7414813 A 19740204; JP 7414812 A 19740204

Abstract (Basic): FR 2260155 A

Electro-optical display device having a pair of polarisers and comprises (i) display cells with coiled filamentous (nematic) liquid crystals having a stacked structure and situated between the polarisers; and (ii) means for selectively applying an electric field to the terminals of a liquid crystal material in the coiled nematic display cells. The device is used for display of **letters**, symbols, numbers etc. in electronic **calculators**, in pre-selected colours. In contrast to known devices it can be used for high quality applications involving inversion of the display colours and for complex patterns and in addition can be used for transmitted or reflected displays.

Title Terms: MULTI; LAYER; LIQUID; CRYSTAL; DISPLAY; DEVICE; DISPLAY; NUMBER; ELECTRONIC; **CALCULATE**

Derwent Class: L03; P81; P85; V07

International Patent Class (Additional): G01D-007/00; G02F-001/13; G09F-009/30; G09F-013/24

File Segment: CPI; EPI; EngPI

18/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009934436 \*\*Image available\*\*  
WPI Acc No: 1994-202148/199425  
XRPX Acc No: N94-159019

Franking machine with security for impressions printed on mail items  
- includes multi-character code with two digit code derived  
from security key and postage charge for item and two digit code  
derived from postage charge and franking date

Patent Assignee: NEOPOST LTD (NEOP-N)  
Inventor: ABUMEHDI C  
Number of Countries: 006 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 604147	A2	19940629	EP 93310281	A	19931220	199425	B
EP 604147	A3	19941228	EP 93310281	A	19931220	199537	
US 5508933	A	19960416	US 93169357	A	19931220	199621	
			US 95389616	A	19950215		
EP 604147	B1	19980708	EP 93310281	A	19931220	199831	
DE 69319563	E	19980813	DE 619563	A	19931220	199838	
			EP 93310281	A	19931220		

Priority Applications (No Type Date): GB 9226813 A 19921223  
Cited Patents: No-SR.Pub; DE 4003006; EP 331352; WO 9209946  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 604147	A2	E	8	G07B-017/00	
				Designated States (Regional): CH DE FR GB LI	
US 5508933	A		7	G07B-017/00	Cont of application US 93169357
EP 604147	B1	E		G07B-017/02	
				Designated States (Regional): CH DE FR GB LI	
DE 69319563	E			G07B-017/02	Based on patent EP 604147
EP 604147	A3			G07B-017/00	

Abstract (Basic): EP 604147 A

The **franking** machine a print head resistive conductor (18)  
operable to print **franking** impressions on **mail** items. An electronic  
accounting and control circuit carries out accounting functions in  
respect of values of **postage** charge selected for **franking**  
respective **mail** items and utilises the selected value to maintain  
account records in respect of use of funds in **franking** a number of  
**mail** items. The **franking** impression includes items of information  
including the selected value of **postage** charge.

The circuit generates a multi-character code which is **changed** for  
each of a series of **mail** items and includes at least one code  
character which has a predetermined relationship to at least one of the  
items of information included in the **franking** impression. The circuit  
controls the resistive conductor to print the multi-character code on  
the **mail** items.

ADVANTAGE - Unauthorised tampering with printing devices.

Dwg.2/4

Title Terms: **FRANKING** ; MACHINE; SECURE; IMPRESS; PRINT; **MAIL** ; ITEM;  
MULTI; CHARACTER; CODE; TWO; DIGITAL; CODE; DERIVATIVE; SECURE; KEY;  
**POSTAGE** ; CHARGE; ITEM; TWO; DIGITAL; CODE; DERIVATIVE; **POSTAGE** ; CHARGE  
; **FRANKING** ; DATE

Derwent Class: T01; T04; T05

International Patent Class (Main): G07B-017/00; G07B-017/02

File Segment: EPI



File 348:EUROPEAN PATENTS 1978-2002/Aug W03

(c) 2002 European Patent Office

File 349:PCT FULLTEXT 1983-2002/UB=20020822,UT=20020815

(c) 2002 WIPO/Univentio

Set	Items	Description
S1	181717	POSTAL? OR POSTAGE OR MAIL? OR USPS OR LETTER? ? OR FRANK?? OR FRANKING
S2	316631	COMPUTE OR COMPUTED OR COMPUTATION? OR CALCULAT? OR ALGORI- THM? OR VALUAT?
S3	1005189	STAGE? OR LEVEL? ? OR STEP OR STEPS OR LAYER? OR TIER? OR - SEQUENTIAL? OR INCREMENT? OR MODULE? ?
S4	441932	S3(3N) (MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURAL? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR DOUBLE OR DUAL OR BINOMIAL? OR PAIR? OR TWIN?) OR HIERARCH?
S5	1212735	DYNAMIC? OR ON(1W)FLY OR CHANG? OR SHIFT? OR UNFIXED OR ER- RATIC? OR FLUCTUAT? OR WAVER? OR ASCENDING OR RISING OR UPWAR- D? OR INCREASING OR DESCENDING OR DECREASING OR FALLING OR DO- WNWARD OR DROPPING OR INCONSISTENT?
S6	13573	(SECURITY OR ENCRYPT? OR PROTECT? OR CIPHER OR CYPHER OR C- RYPTO?) (2W) (NUMBER? OR DIGIT? ? OR NUMERAL? OR IDENTIFICATION? OR IDENTIFIER? OR ID OR INDICATOR? OR LABEL? OR TAG? ? OR TA- GG? OR CODE? ? OR KEY OR KEYS)
S7	90654	(MANY OR MULTIPLE OR MULTI OR SEVERAL OR NUMEROUS? OR PLUR- AL? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR D- OUBLE OR BINOMIAL? OR PAIR? OR TWIN? OR 8 OR EIGHT) (2W) (NUMBE- R? OR DIGIT? ? OR NUMERAL? OR BYTE?)
S8	1405432	UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR RE- VIS? OR EDIT OR EDITING OR EDITED OR ADAPT? OR TRANSFORM? OR - ADJUST? OR TABULAT? OR RECONFIGUR? OR RECALCULAT? OR SUPERSED?
S9	1393	S1 AND S2 AND S4 AND S5 AND S6 AND S7 AND S8
S10	1	S1 AND (S2(10N)S4) AND (S5 OR S8) (10N) (S6(5N)S7)
S11	28490	(SEPARATE? OR DETACHED OR DIVIDED OR DISTINCT OR ISOLATED - OR REMOVED OR DISCRETE OR APART OR DISJOINED) (3N) (COMPUTER? ? OR PROCESSOR? OR MICROPROCESSOR? OR MICROCOMPUTER? OR PROGRAM? ? OR ROUTINE? ? OR APPLICATION?)
S12	8	S1(S)S11 AND (S5 AND S8) (S) (S6(5N)S7)
S13	167117	S1 NOT (E OR ELECTRONIC) ()MAIL?
S14	5	S13 AND S11 AND ((S5 AND S8) (S) (S6(5N)S7))
S15	0	((S13(10N)S11) (S) ((S6(5N)S7) NOT SOCIAL()SECURITY)) NOT (S- 10 OR S12 OR S14)
S16	0	((S13(10N)S11) AND ((S6(5N)S7) NOT SOCIAL()SECURITY)) NOT - (S10 OR S12 OR S14)
S17	1	(S13(S)S11) AND (S6(5N)S7) NOT (S10 OR S12 OR S14)
S18	19	(S13(S)S11) AND (S6(5N)S8)
S19	15	S18 NOT (S10 OR S12 OR S14 OR S17)

10/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00784124

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A  
TRANSACTION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE  
REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US24082 20000831 (PCT/WO US0024082)

Priority Application: US 99386715 19990831

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FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

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Detailed Description

Detailed Description

... research community (e.g., employees of large corporations) started to  
use Internet to carry electronic mail .

In 1989, a new type of information system known as the World-Wide-Web  
("the...physical devices.

For example, a user might want to have access to his/her e- mail from a  
cellular phone, from a Web TV or their portable PC.

E5. The current...Use report writers when you need to transform user data  
into columnar reports, forms, or mailing lists that may require  
sophisticated sorting and formatting facilities. This generally occurs  
for two reasons...

...considered. Some typical benchmark tests include table scan,  
single-table report, joined table report, and mailing label  
generation times. (source is market research)

What is the budget?

Per developer costs as...and two-way pagers. Paging systems allow pages  
to be generated in various ways.

E- mail messages to a specified mailbox

DTMF (touch tone) signaling to a voice response system

Encoded digital messages transferred into a...

...transferred to a locally attached two-way wireless pager

Possible Product Options

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TelAlert; e- mail systems

e- mail systems - some e- mail systems and fax servers can be  
configured to generate pages to notify users when a defined event occurs

such as e- mail /fax arriving.

Telamon's TelAlert - TelAlert provides notification capabilities for UNIX systems. For example, it...voice telephone calls.

Internet Telephony - Internet telephony products enable voice telephone calls (and faxing, voice mail retrieval, etc.) through the Internet. For example, an Internet telephony product can accept voice input...

...Internet to a destination workstation, where the data is translated back into audio.

Desktop Voice Mail - Various products enable users to manage voice mail messages using a desktop computer.

Possible Product Options

Lucent PassageWay; COM2001s TransCOM; NetSpeaks WebPhone; VocalTecs...

...connect PCs to PBXs.

COM2001's TransCOM - voice, data and call-management system (dialing, voice mail, faxing, voice recognition, caller ID, etc.) for personal computers.

The following are examples of Internet...

...Internet Phone

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IDT's Net2Phone

The following is an example of a desktop voice mail product.

Octel Communication's Unified Messenger

Terminal 1518

Terminal services allow a client to connect...VIA - integrates network operating system directories, application databases, and human resource databases (includes Lotus cc: Mail, Lotus Notes, Novell NDS, ...a protocol describing exactly what format should be used for

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sending specific types of mail messages. Most protocols typically sit "on top" of the following lower level protocol.

TCP/IP...

...provide deferred message service processing. A Store and Forward Message Service may use an E-Mail infrastructure upon which to build applications. Common uses would be for forms routing and E-mail.

Synchronous Message Services - allow an application to send a message to another application and wait...to

deliver a complete messaging environment

An example of a specialized messaging service is Mail Messaging. Mail Messaging is a specialized implementation of store-and-forwarding MOM (message-oriented middleware) messaging, in that Mail Messaging defines specialized, mail-related message layouts and protocols that utilize store-and-forward messaging

E-Mail 1540

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E-Mail takes on a greater significance in the modern organization. The E-Mail system, providing it has sufficient integrity and stability, can function as a key channel through...

...in the form of messages and electronic forms. An EMail server stores and forwards E-Mail messages. Although some products like Lotus Notes use proprietary protocols, the following protocols used by E-Mail Services are based on open standards.

X.400 - The X.400 message handling system standard defines a platform independent standard for store-and-forward message transfers among mail servers. X.400 is often used as a backbone e-mail service, with

gateways providing interconnection with end-user systems.

SMTP - Simple Mail Transfer Protocol (SMTP) is a UNDUInternet standard for transferring email among servers.

MIME - Multi-Purpose Internet Mail Extensions (MIME) is a protocol that enables Internet users to exchange multimedia e-mail messages.

POP3 - Post Office Protocol (POP) is used to distribute e-mail from an SMTP server to the actual recipient.

IMAP4 - Internet Message Access Protocol, Version 4 (IMAP4) allows a client to access and manipulate electronic mail messages on a server. IMA?4 permits manipulation of remote message folders, called "mailboxes", in a way that is ftinctionally equivalent to local mailboxes .

IMAP4 also provides the capability for an off-line client to re-synchronize with the...

...handling features that allow users to download message header information and then decide which e-mail message contents to download.

Implementation considerations

A number of E-mail servers from vendors including HP and Netscape are built around SMTP, and most proprietary protocol E-Mail servers now provide SMTP gateways.

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The Multi-part Internet Mail Extensions (MIME) standard has gained acceptance as the Internet mechanism for sending E-mail containing various multimedia parts, such as images, audio files, and movies. S/MIN4E, or secure...

...enables a secure mechanism for transferring files.

Although currently POP3 is the popular Internet E-Mail message handling protocol, recently the lesser known IMAP4 protocol has been gaining in adoption among mail server and mail client software providers. IMAP was designed to add features beyond POP that allow users to...

...server as well as on their laptop.

Organizations are looking to use vehicles like E-Mail and the Internet to enable communications with customers and trading partners. The least common denominator E-mail capability today is very rudimentary (ASCII text). But as the standards listed here as well as others become integrated into most of the popular E-mail products and gateways this will change enabling a more flexible and useful commercial communications medium.

Possible Product OptionsOptions

Microsoft Exchange Server; Lotus cc: mail ; Lotus Notes; Qualcomm Eudora; TenFours TFS Universal E-Mail Gateway; UUcoding; Netscape Mail Server; Post.Office; NTMail The following E-Mail products are based on the open Internet standards defined above.

Netseape Mail Server - Netscapes implementation of an open standards-based client/server messaging system that lets users...

...is packaged with Netscapes SuiteSpot server line. Post.Ofrice - one of the leading POP3/SMTP mail servers for the Internet community as well as corporate intranets. This message transport agent is...

...the Internet, ensuring maximum compatibility with other systems.

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NTMail - an open SMTP and POP3 mail server for Windows NT.

The following are major proprietary E-mail servers used in large organizations today.

Lotus Notes - platform-independent client/server mail system. Notes Mail can support over 1,500 active users per server, offering Internet integration, distributed replication and synchronization. Lotus Notes also provides integrated document libraries, workflow, calendaring and scheduling, and a cc: Mail user interface.

Microsofts Exchange Server - Exchange 4.0 provides a messaging and groupware platform to...

...5.0 has support for all of the key Internet protocols. These include POP3 for mailbox access, SMTP for mail sending and receiving, NNTP for newsgroups and discussion forums, LDAP for directory access, HTTP and ...

...via a web browser, and SSL for security.  
The following products are examples of e-mail systems.

Microsoft Mail

Lotus cc: mail

Qualcomm Eudora

The following products provides e-mail system translation.

TenFour's TFS Universal E-Mail Gateway - links users of Lotus Development Corp.'s cc: Mail and Notes, Novell Inc.'s GroupWise, Microsoft Corp.'s Mail, MCI Mail, and SMTP e-mail to Microsoft Exchange.

UUcoding - process for converting 8-bit binary files into 7-bit ASCII files for transmission via e-mail over the Internet (the Internet only supports seven bit characters in e-mail messages); LTUencode and UUdecode utilities on end nodes perform the conversion.

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Database Access 1542...according to the various public message layout standards.

EDI messaging can be implemented via electronic mail or customized message-oriented architectures.

Implementation considerations

EDI messages have traditionally been sent between companies...of the protocol stack and is typically performed within an application (e.g., an e-mail application, a Web browser). This is an end-to-end approach that can leave the...

...commerce today.

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Possible Product Options

Netscape's Secure Sockets Layer (SSL); S-HTTP; e-mail encryption; S-MIME

Encryption that is architected into Web-based solutions  
Netscape's Secure Sockets...

...standard; used in conjunction with the World Wide Web.

Encryption that is embedded in e-mail products

e-mail encryption - products such as Lotus Notes and Microsoft Exchange can encrypt e-mail messages and/or attachments.

S-MIME - a secure version of the MIME e-mail standard.

Authorization 1554

When a user requests access to network resources, the Authorization service deten...Windows NT, Novell NetWare, UNIX, etc.

application level user IDs and passwords (e.g., e-mail system)  
single sign-on software - manages user logins to multiple systems or resources.

Platinum Technologies...time". On the other hand, traditional best-effort data services, such as file or e-**mail** transfer, are not affected by variations in latency. QoS (Quality of Service) services deliver a... between the subscriber and the information.

Internet ListServers are a simple example. Subscribers use e-**mail** to register an interest in a topic and are notified via e-**mail** when changes occur or relevant information is available.

Asynchronous push/pull services can be useful...

...Report Services also support the merging of application data with pre-defined templates to create **letters** or other printed correspondence. Report Services include.

Driver Services. These services provide the control structure... efficiency of the workflow system is its capability to integrate with office automation, imaging, electronic **mail**, and legacy applications.

Role management

Role management ie provides for the assignment of tasks to...system software, database management systems, and communication networks. Examples of items to consider include E-**mail**, database, GUI tool, PC applications, other office systems, and business applications.

How scaleable is the...

...Platform alternatives (hardware and operating system); and (2) Message-based architecture (relying on specific **mail** systems for much of the functionality) versus Database-based.

What is the nature of the...might belong in a Product component), discounts and rules for when they apply, and the **calculation** itself One might argue that the Pricing component is more entity-centric than process...

12/TI/1 (Item 1 from file: 348)

DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

TELEPHONE ANSWERING SERVICE WITH INTEGRATED VOICE AND TEXTUAL MESSAGE  
STORAGE  
FERNSPRECHERANTWORTGERAT MIT INTEGRIERTEN STIMMEN- UND TEXTNACHRICHTENSPEIC  
HERN  
SYSTEME DE REPONDEUR TELEPHONIQUE AVEC STOCKAGE DE MESSAGES VOCAUX ET  
TEXTUELS INTEGRE

12/TI/2 (Item 2 from file: 348)

DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

Digital data processing system.  
Digitales Datenverarbeitungssystem.  
Systeme de traitement de donnees numeriques.

12/TI/3 (Item 1 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING  
DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
AND METHOD THEREOF  
PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES  
STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN  
ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET  
PROCEDE ASSOCIE

12/TI/4 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A  
TRANSACTION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR MODULE DE MISE EN LOTS DES  
REQUETES DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES  
TRANSACTIONNELS

12/TI/5 (Item 3 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A  
TRANSACTION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE  
REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS

12/TI/6 (Item 4 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY  
COMMUNICATION  
SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR  
RESEAU COMMUTE

12/TI/7 (Item 5 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

A COMMUNICATION SYSTEM ARCHITECTURE  
ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

12/TI/8 (Item 6 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

TELEPHONE ANSWERING SERVICE WITH INTEGRATED VOICE AND TEXTUAL MESSAGE  
STORAGE  
SYSTEME DE REPONDEUR TELEPHONIQUE AVEC STOCKAGE DE MESSAGES VOCAUX ET  
TEXTUELS INTEGRE



12/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00306058

Digital data processing system.  
Digitales Datenverarbeitungssystem.  
Systeme de traitement de donnees numeriques.

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EP 290111 A3 890503  
EP 290111 B1 931222

APPLICATION (CC, No, Date): EP 88200917 820521;

PRIORITY (CC, No, Date): US 266404 810522

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CLAIMS B	(English)	EPBBF1	1044
CLAIMS B	(German)	EPBBF1	890
CLAIMS B	(French)	EPBBF1	1185
SPEC B	(English)	EPBBF1	154314
Total word count - document A			0
Total word count - document B			157433
Total word count - documents A + B			157433

...SPECIFICATION entries;

Fig. 307 is a diagram illustrating translation of S-interpreter  
universal identifiers to dialect **numbers** ;

Fig. 401 is a diagram illustrating operating systems and system  
resources;

Fig. 402 is a...

...detailed descriptions of the computer system. Following the Introduction, the structure and operation of the **computer** system will be described in detail. The detailed descriptions will present descriptions of the structure...

...figures, the figures may share a common figure number and will be distinguished by a **letter** designation, for example, Figs. 319, 319A, and 319B. Common electrical points between such circuitry may...b. Name Cache 10226, Address Translation Unit 10228, and Protection Cache 10234 (Fig. 106)

c. **c** . Structure and Operation of Generalized Cache and NC 10226 (Fig. 240)

d.d. ATU 10228...described, all operands are referred to in CS 10110 by Names wherein all Names within **a** particular S-Language dialect are of a uniform, fixed size and format. A K value...

12/3,K/7 (Item 5 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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00443927

**A COMMUNICATION SYSTEM ARCHITECTURE**  
**ARCHITECTURE D'UN SYSTEME DE COMMUNICATION**

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 Priority Application: US 97794555 19970203; US 97794114 19970203; US 97794689 19970203; US 97807130 19970210; US 97798208 19970210; US 97795270 19970210; US 97797964 19970210; US 97800243 19970210; US 97798350 19970210; US 97797445 19970210; US 97797360 19970210

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## Detailed Description

### Detailed Description

... 4. Logical Description	86	5.
Physical Description	91	6.
Technology Selection	92	7.
Implementations	93	
<b>8 . Security</b>		
.....		
.....	93	
9. Meta-Data	94	
10. Standard Database Technologies		
.....	94	J. ISP Resource Management
Model...access/router utilizes is presented below with reference to		
Figure 19G.		
First, at 2010, a <b>computer</b> dials up the PAR via a modem. The computer		
modem negotiates a data transfer rate...Directory		
Services		
VNET, *Password,IP,		
*Configuration Data%.		
1) PC Online		
Authenticate user VNET PC connects		
<b>Update</b> Profile with 1? to corporate Intranet		
2 ) PC Online Ack Ack, * <b>security key</b> and Config data		
Optional data depending upon implementation		
1. The user for a PC connects...		

14/TI/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

Method for defining a plurality of form definition data sets  
Verfahren zum Definieren mehrerer Formulardefinitionsdatensätze  
Procédé pour définir plusieurs jeux de données de définition de formulaire

14/TI/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

TELEPHONE ANSWERING SERVICE WITH INTEGRATED VOICE AND TEXTUAL MESSAGE  
STORAGE  
FERNSPRECHERANTWORTGERAT MIT INTEGRIERTEN STIMMEN- UND TEXTNACHRICHTENSPEIC  
HERN  
SYSTEME DE REPONDEUR TELEPHONIQUE AVEC STOCKAGE DE MESSAGES VOCAUX ET  
TEXTUELS INTEGRE

14/TI/3 (Item 3 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

Digital data processing system.  
Digitales Datenverarbeitungssystem.  
Système de traitement de données numériques.

14/TI/4 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

DIGITAL SWITCHING SYSTEM CONNECTING BUSES WITH INCOMPATIBLE PROTOCOLS AND  
TELEPHONE ANSWERING SYSTEM AND PRIVATE AUTOMATIC BRANCH EXCHANGE WITH  
INTEGRATED VOICE AND TEXTUAL MESSAGE RECORDING  
SYSTEME DE COMMUTATION NUMERIQUE CONNECTANT DES BUS A PROTOCOLES  
INCOMPATIBLES, SYSTEME DE REPONDEUR TELEPHONIQUE ET AUTOCOMMUTATEUR  
PRIVE A ENREGISTREMENT DE MESSAGES VOCAL ET TEXTUEL INTEGRE

14/TI/5 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

TELEPHONE ANSWERING SERVICE WITH INTEGRATED VOICE AND TEXTUAL MESSAGE  
STORAGE  
SYSTEME DE REPONDEUR TELEPHONIQUE AVEC STOCKAGE DE MESSAGES VOCAUX ET  
TEXTUELS INTEGRE

14/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

00663831

Method for defining a plurality of form definition data sets  
Verfahren zum Definieren mehrerer Formulardefinitionsdatensätze  
Procédé pour définir plusieurs jeux de données de définition de formulaire  
PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 637811 A2 950208 (Basic)

EP 637811 A3 960410

EP 637811 B1 991110

APPLICATION (CC, No, Date): EP 94111380 940721;

PRIORITY (CC, No, Date): US 100846 930802

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-009/20

ABSTRACT WORD COUNT: 81

NOTE:

Figure number on first page: 1A

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9945	1684
CLAIMS B	(German)	9945	1410
CLAIMS B	(French)	9945	2145
SPEC B	(English)	9945	7302
Total word count - document A			0
Total word count - document B			12541
Total word count - documents A + B			12541

...SPECIFICATION large image systems which use several different forms processing applications, each form needs to be **separately** defined for each **application**, which costs time and introduces inconsistencies in the form definitions. The method presented here creates...recognition processor 150. The character recognition programs 162, 162' and 162'' can be executed in **separate processors** connected to LAN 145. In an alternate embodiment, both processors 100 and 150 can be...selects "Define field."

Fig. 6 shows the contents of the "View" pulldown menu 206 on **edit** window 109, which allows the operator to scale the image to different sizes. The default scaling is 33% (this can be **changed** by the operator). In this scenario, the operator selects the "Scale 50%" menu item, which...

...rectangular box 230 below the words "Your social security number" on the image in the **edit** window 109. This indicates the area of the image which is expected to contain the...

...this field in 241. Contained within the brackets is the syntax of a valid social **security number**: 3 **digits**, a space, 2 **digits**, a space, and 4 more digits. Should the data captured in this field not be ...valid value, the invention displays a popup window whenever the operator attempts to enter or **change** data for these attributes. The data type shown in the field attribute box is "Numeric," the default value. Here the operator is **changing** the data type, and has selected "Account," which is a special data type for account...

...include the digits 0 through 9, plus spaces. The operator selects the "OK" button to **change** the data type to "Account."

The operator repeats this procedure for all the fields to...

...chars min(underscore)chars

Note that the data type is expressed differently, prefixed by the **letters** "FPM(underscore)," and capitalized. This is because this file is the form processing master file...

17/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

00306062

Digital data processing system.  
Digitales Datenverarbeitungssystem.  
Systeme du traitement de donnees numeriques.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 300516 A2 890125 (Basic)  
EP 300516 A3 890426  
EP 300516 B1 931124

APPLICATION (CC, No, Date): EP 88200921 820521;

PRIORITY (CC, No, Date): US 266413 810522; US 266539 810522; US 266521  
810522; US 266415 810522; US 266409 810522; US 266424 810522; US 266421  
810522; US 266404 810522; US 266414 810522; US 266532 810522; US 266403  
810522; US 266408 810522; US 266401 810522; US 266524 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 67556 (EP 823025960)

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-012/14;

ABSTRACT WORD COUNT: 122

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1018
CLAIMS B	(German)	EPBBF1	868
CLAIMS B	(French)	EPBBF1	1115
SPEC B	(English)	EPBBF1	154256
Total word count - document A			0
Total word count - document B			157257
Total word count - documents A + B			157257

...SPECIFICATION 20256 and Data Trap 20258

b.b. Name Cache 10226, Address Translation Unit 10228, and

**Protection** Cache 10234 (Fig. 106)

c.c. Structure and Operation of Generalized Cache and NC 10226

...in all S-Language dialects, so that K values, and the associated  
circuitry in FU 10120 's parser, are not required.

Finally, in descriptions of CS 10110's use of SOPs...

19/TI/1 (Item 1 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Open metering system with super password vault access  
Offenes Zahlssystem mit Tresorzugang mittels eines Superpasswortes  
Systeme ouvert de dosage avec acces a un coffre fort a l'aide d'un mot de  
passe special

19/TI/2 (Item 2 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Fault tolerant data processing system initialisation  
Initialisation eines fehlertoleranten Datenverarbeitungssystems  
Initialisation d'un systeme de traitement de donnees a tolerance de fautes

19/TI/3 (Item 3 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Interprocessor communication  
Übertragung zwischen Prozessoren  
Communication entre processeurs

19/TI/4 (Item 4 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Apparatus and method for coupling a data processor to alien information  
handling apparatus  
Anordnung und Verfahren zum Verbinden eines Datenprozessors mit einem  
unbekannten Informationsverarbeitungssystem  
Appareil et procede pour connecter un processeur de donnees avec un systeme  
etranger du traitement des donnees

19/TI/5 (Item 5 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Servicing interrupts in a data processing system  
Unterbrechungsbedienung in einem Datenverarbeitungssystem  
Prise en charge d'interruptions dans un systeme de traitement de donnees

19/TI/6 (Item 6 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

A single physical main storage unit shared by two or more processors  
executing respective operating systems  
Physischer, einziger Hauptspeicher, anteilig genutzt durch zwei oder mehr  
Prozessoren, die ihr jeweiliges Betriebssystem ausführen  
Memoire principale physiquement unique, partagee par deux ou plusieurs  
processeurs executant leurs systemes operationnels respectifs

19/TI/7 (Item 7 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Fault tolerant data processing system  
Fehlertolerantes Datenverarbeitungssystem  
Systeme de traitement de donnees a tolerance de fautes

19/TI/8 (Item 8 from file: 348)  
DIALOG(R) File 348:(c) 2002 European Patent Office. All rts. reserv.

Method and apparatus for adding a data processing function to a data  
processing system



Verfahren und Anordnung zum Hinzufügen von einer Datenverarbeitungsfunktion  
zu einem Datenverarbeitungssystem  
Methode et appareil pour l'addition d'une fonction de traitement des données  
à un système de traitement de données

19/TI/9 (Item 9 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

IC Card and an identification system thereof.  
Chipkarte und dazugehöriges Identifikationssystem.  
Carte à circuit intégré et système d'identification pour une telle carte.

19/TI/10 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

12 HUMAN SECRETED PROTEINS  
12 PROTEINES HUMAINES SECRÉTES

19/TI/11 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

WHOLE CELL ENGINEERING BY MUTAGENIZING A SUBSTANTIAL PORTION OF A STARTING  
GENOME, COMBINING MUTATIONS, AND OPTIONALLY REPEATING  
INGÉNIERIE CELLULAIRE COMPLÈTE PAR MUTAGÈSE D'UNE PARTIE SUBSTANTIELLE  
D'UN GÉNOME DE DÉPART, PAR COMBINAISON DE MUTATIONS ET ÉVENTUELLEMENT  
RÉPÉTITION

19/TI/12 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES  
ACIDES NUCLÉIQUES, PROTÉINES ET ANTICORPS

19/TI/13 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES  
ACIDES NUCLÉIQUES, PROTÉINES ET ANTICORPS

19/TI/14 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

A METHOD AND ARTICLE OF MANUFACTURING FOR A THIN CLIENT SERVER  
INSTRUCTIONAL SYSTEM  
PROCÉDE ET ARTICLE DE CONCEPTION D'UN SYSTÈME ÉDUCATIF SUR SERVEUR POUR  
CLIENT MAIGRE

19/TI/15 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR COMMUNICATION OF VIDEO, AUDIO, TELETEXT, AND DATA  
TO GROUPS OF DECODERS IN A COMMUNICATION SYSTEM  
PROCÉDE ET APPAREIL DE COMMUNICATION VIDEO, AUDIO, DE TÉLÉTEXTES ET DE  
DONNÉES À DES GROUPES DE DÉCODEURS DANS UN SYSTÈME DE COMMUNICATION

19/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

00844511

Open metering system with super password vault access  
Offenes Zahlssystem mit Tresorzugang mittels eines Superpasswortes  
Système ouvert de dosage avec acces a un coffre fort a l'aide d'un mot de  
passe special

PATENT ASSIGNEE:

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Avery, Stephen John et al (47695), Hoffmann Eitle, Patent- und  
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PATENT (CC, No, Kind, Date): EP 780805 A2 970625 (Basic)  
EP 780805 A3 000112

APPLICATION (CC, No, Date): EP 96120499 961219;

PRIORITY (CC, No, Date): US 574749 951219

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07B-017/02

ABSTRACT WORD COUNT: 193

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	852
SPEC A	(English)	EPAB97	4081
Total word count - document A			4933
Total word count - document B			0
Total word count - documents A + B			4933

...SPECIFICATION be understood that encryption module 50 could also be a separator device, such as a **separate** chip connected to **microprocessor** 44. Accounting module 52 may be EEPROM that incorporates ascending and descending registers as well as **postal** data, such as origination ZIP Code, vendor identification, data identifying the PC-based **postage** meter 10, sequential piece count of the **postal** revenue block generated by the PC-based **postage** meter 10, **postage** amount and the date of submission to the **Postal** Service. As is known, an ascending register in a metering unit records the amount of **postage** that has been dispensed, i.e., issued by the vault, in all transactions and the descending register records the value, i.e., amount of **postage**, remaining in the metering unit, which value decreases as **postage** is issued.

The hardware design of the vault includes an interface 56 that communicates with...

...5-9 which provide the detailed steps for such a system. In following description, the **encryption** **key** is not **updated** so that description is straightforward. It will be understood that **changing** the **encryption** **key** makes the system more secure.

The present invention uses counters as data to encrypt. One...

19/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

00430529

Fault tolerant data processing system initialisation  
Initialisation eines fehlertoleranten Datenverarbeitungssystems  
Initialisation d'un système de traitement de données a tolerance de fautes  
PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
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AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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PATENT (CC, No, Kind, Date): EP 405736 A2 910102 (Basic)

EP 405736 A3 940202

EP 405736 B1 971217

APPLICATION (CC, No, Date): EP 90305310 900516;

PRIORITY (CC, No, Date): US 353112 890517

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-011/16; G06F-009/44; G06F-015/177;

ABSTRACT WORD COUNT: 219

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9712W2	701
CLAIMS B	(German)	9712W2	620
CLAIMS B	(French)	9712W2	806
SPEC B	(English)	9712W2	71242
Total word count - document A			0
Total word count - document B			73369
Total word count - documents A + B			73369

...SPECIFICATION I/O Data Store, Queue Op) is started by the BCU 156  
sending to the **adapter** 154 the command/byte count, **protection key**  
and storage address via the channel 1 bus. The command/byte count is  
received on...end forced by a detected error. The present improvement  
uses all eight vectors, with eight **separate** ETIO interrupt **routines**  
in microcode store 174. Additionally, the channel 0 normal interrupt has  
two possible meanings: a PCL-caused ' **mailbox** received', and the  
less-common 'channel stopped due to the end of linked-list'. The...

19/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2002 European Patent Office.All rts. reserv.

00401210

Interprocessor communication

Übertragung zwischen Prozessoren

Communication entre processeurs

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)  
PATENT (CC, No, Kind, Date): EP 398697 A2 901122 (Basic)  
EP 398697 A3 940202  
EP 398697 B1 980902  
APPLICATION (CC, No, Date): EP 90305312 900516;  
PRIORITY (CC, No, Date): US 353115 890517  
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE  
INTERNATIONAL PATENT CLASS: G06F-015/16;  
ABSTRACT WORD COUNT: 219

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9836	397
CLAIMS B	(German)	9836	352
CLAIMS B	(French)	9836	454
SPEC B	(English)	9836	71173
Total word count - document A			0
Total word count - document B			72376
Total word count - documents A + B			72376

...SPECIFICATION is coupled to a model of an IBM S/370.

One current method of coupling **distinct processors** and operating systems is through some kind of communications controller added to each system, appending...

...the application program at the receiving station.

As earlier stated, one current method of coupling **distinct processors** and operating systems is through some kind of communications controller added to each system, appending...I/O Data Store, Queue Op) is started by the BCU 156 sending to the **adapter** 154 the command/byte count, **protection key** and storage address via the channel 1 bus. The command/byte count is received on...end forced by a detected error. The present improvement uses all eight vectors, with eight **separate** ETIO interrupt **routines** in microcode store 174. Additionally, the channel 0 normal interrupt has two possible meanings: a PCL-caused ' **mailbox** received', and the less-common 'channel stopped due to the end of linked-list'. The...

19/3,K/4 (Item 4 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

00401209

Apparatus and method for coupling a data processor to alien information handling apparatus

Anordnung und Verfahren zum Verbinden eines Datenprozessors mit einem unbekannten Informationsverarbeitungssystem

Appareil et procede pour connecter un processeur de donnees avec un systeme etranger du traitement des donnees

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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LEGAL REPRESENTATIVE:

Bailey, Geoffrey Alan (27921), IBM United Kingdom Limited Intellectual  
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)  
PATENT (CC, No, Kind, Date): EP 400841 A2 901205 (Basic)  
EP 400841 A3 940202  
EP 400841 B1 980902  
APPLICATION (CC, No, Date): EP 90305311 900516;  
PRIORITY (CC, No, Date): US 353114 890517  
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE  
INTERNATIONAL PATENT CLASS: G06F-015/16;  
ABSTRACT WORD COUNT: 219

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9836	764
CLAIMS B	(German)	9836	656
CLAIMS B	(French)	9836	844
SPEC B	(English)	9836	71127

Total word count - document A 0

Total word count - document B 73391

Total word count - documents A + B 73391

...SPECIFICATION of the faulty unit.

Upon detection of a fault in any unit, that unit is **isolated** and placed off-line so that it cannot transfer incorrect information to other units. The...I/O Data Store, Queue Op) is started by the BCU 156 sending to the **adapter** 154 the command/byte count, **protection key** and storage address via the channel 1 bus. The command/byte count is received on...end forced by a detected error. The present improvement uses all eight vectors, with eight **separate** ETIO interrupt **routines** in microcode store 174. Additionally, the channel 0 normal interrupt has two possible meanings: a PCL-caused ' **mailbox** received', and the less-common 'channel stopped due to the end of linked-list'. The...

19/3,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00401208

**Servicing interrupts in a data processing system**

**Unterbrechungsbedienung in einem Datenverarbeitungssystem**

**Prise en charge d'interruptions dans un systeme de traitement de donnees**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

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(US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 398696 A2 901122 (Basic)

EP 398696 A3 940105

EP 398696 B1 970723

APPLICATION (CC, No, Date): EP 90305309 900516;

PRIORITY (CC, No, Date): US 353117 890517

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-015/16; G06F-013/26;

ABSTRACT WORD COUNT: 214

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	700
CLAIMS B	(English)	9707W4	715
CLAIMS B	(German)	9707W4	619
CLAIMS B	(French)	9707W4	829
SPEC A	(English)	EPABF1	70506
SPEC B	(English)	9707W4	70530
Total word count - document A			71213
Total word count - document B			72693
Total word count - documents A + B			143906

...SPECIFICATION I/O Data Store, Queue Op) is started by the BCU 156 sending to the **adapter** 154 the command/byte count, **protection key** and storage address via the channel 1 bus. The command/byte count is received on...end forced by a detected error. The present improvement uses all eight vectors, with eight **separate** ETIO interrupt **routines** in microcode store 174. Additionally, the channel 0 normal interrupt has two possible meanings: a PCL-caused ' **mailbox** received', and the less-common 'channel stopped due to the end of linked-list'. The...

...SPECIFICATION I/O Data Store, Queue Op) is started by the BCU 156 sending to the **adapter** 154 the command/byte count, **protection key** and storage address via the channel 1 bus. The command/byte count is received on...end forced by a detected error. The present improvement uses all eight vectors, with eight **separate** ETIO interrupt **routines** in microcode store 174. Additionally, the channel 0 normal interrupt has two possible meanings: a PCL-caused ' **mailbox** received', and the less-common 'channel stopped due to the end of linked-list'. The...

19/3,K/6 (Item 6 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
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00401207

A single physical main storage unit shared by two or more processors  
 executing respective operating systems  
 Physischer, einziger Hauptspeicher, anteilig genutzt durch zwei oder mehr  
 Prozessoren, die ihr jeweiliges Betriebssystem ausführen  
 Memoire principale physiquement unique, partagee par deux ou plusieurs  
 processeurs executant leurs systemes operationnels respectifs

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
 Armonk, N.Y. 10504, (US), (applicant designated states:  
 AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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PATENT (CC, No, Kind, Date): EP 398695 A2 901122 (Basic)  
 EP 398695 A3 940202  
 EP 398695 B1 980902

APPLICATION (CC, No, Date): EP 90305308 900516;

PRIORITY (CC, No, Date): US 353113 890517

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-015/16; G06F-009/46;

ABSTRACT WORD COUNT: 219

LANGUAGE (Publication,Procedural,Application): English; English; English

# FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9836	678
CLAIMS B	(German)	9836	583
CLAIMS B	(French)	9836	795
SPEC B	(English)	9836	70889
Total word count - document A			0
Total word count - document B			72945
Total word count - documents A + B			72945

...SPECIFICATION first operating system no longer has use (e.g., the ability to reallocate) of this **removed** storage unless the **application** returns the storage back to the first operating system.

The first operating system is subservient...because the blocks are removed from the table, not merely assigned to a user.

The **removed** address space is then turned over to the second operating system. There is hardware offset...I/O Data Store, Queue Op) is started by the BCU 156 sending to the **adapter** 154 the command/byte count, **protection key** and storage address via the channel 1 bus. The command/byte count is received on...end forced by a detected error. The present improvement uses all eight vectors, with eight **separate** ETIO interrupt **routines** in microcode store 174. Additionally, the channel 0 normal interrupt has two possible meanings: a PCL-caused '**mailbox** received', and the less-common 'channel stopped due to the end of linked-list'. The...

Set	Items	Description
S1	2851	POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E OR ELECTRONIC)) OR USPS OR LETTER? ? OR FRANK?? OR FRANKING
S2	4042	COMPUTE OR COMPUTED OR COMPUTATION? OR CALCULAT? OR ALGORITHM? OR VALUAT?
S3	20878	STAGE? OR LEVEL? ? OR STEP OR STEPS OR LAYER? OR TIER? OR SEQUENTIAL? OR INCREMENT? OR MODULE? ?
S4	3673	S3(3N) (MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURAL? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR DOUBLE OR DUAL OR BINOMIAL? OR PAIR? OR TWIN?) OR HIERARCH?
S5	563	(SEPARATE? OR DETACHED OR DIVIDED OR DISTINCT OR ISOLATED - OR REMOVED OR DISCRETE OR APART OR DISJOINED) (3N) (COMPUTER? ? OR PROCESSOR? OR MICROPROCESSOR? OR MICROCOMPUTER? OR PROGRAM? ? OR ROUTINE? ? OR APPLICATION?)
S6	16402	DYNAMIC? OR ON(1W)FLY OR CHANG? OR SHIFT? OR UNFIXED OR ERATIC? OR FLUCTUAT? OR WAVER? OR ASCENDING OR RISING OR UPWARD? OR INCREASING OR DESCENDING OR DECREASING OR FALLING OR DOWNWARD OR DROPPING OR INCONSISTENT?
S7	290	(SECURITY OR ENCRYPT? OR PROTECT? OR CIPHER OR CYPHER OR CRYPTO?) (2W) (NUMBER? OR DIGIT? ? OR NUMERAL? OR IDENTIFICATION? OR IDENTIFIER? OR ID OR INDICATOR? OR LABEL? OR TAG? ? OR TAGG? OR CODE? ? OR KEY OR KEYS) NOT SOCIAL()SECURITY
S8	148	(MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURAL? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR DOUBLE OR DUAL OR BINOMIAL? OR PAIR? OR TWIN? OR 8 OR EIGHT) (1W) (NUMBER? OR DIGIT? ? OR NUMERAL? OR BYTE?)
S9	23576	UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR REVIS? OR EDIT OR EDITING OR ADAPT? OR TRANSFORM? OR ADJUST? OR EDITED OR DEBIT? OR TABULAT? OR RECONFIGUR? OR RECALCULAT? OR SUPERSED?
S10	7	S1 AND S2 AND (S4 OR S5)
S11	0	S1 AND (S7(5N)S8)
S12	1	S1 AND S2 AND S7
S13	154	S1(10N) (S4 OR S5 OR S6 OR S7 OR S8 OR S9)
S14	98	S1(5N) (S4 OR S5 OR S6 OR S7 OR S8 OR S9)
S15	84	S14 NOT PD>19990615
S16	13	S1(10N) (S4 OR S5)
S17	13	S16 NOT (S10 OR S12)
S18	21	(S1 NOT VOICE(1W)MAIL?) AND S2 AND S6
S19	18	S18 NOT (S10 OR S12 OR S17)
S20	1	(S2(5N)S7) AND (S4 OR S5) AND S9
S21	0	(S2(5N)S7) AND (S4 OR S5) NOT (S10 OR S12 OR S17 OR S19 OR S20)
S22	3	(S1(S)S7) AND (S4 OR S5 OR S6 OR S8 OR S9)
S23	6	S1 AND S7 AND (S4 OR S5 OR S6 OR S7 OR S8 OR S9) NOT (S10 - OR S12 OR S17 OR S19 OR S20 OR S22)



10/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01757322 DOCUMENT TYPE: Product

**PRODUCT NAME: Contract Payables System (CPS) (757322)**

T L Creates inc (527297)  
555 W Benjamin Holt Dr #420  
Stockton, CA 95207 United States  
TELEPHONE: (209) 941-1600

RECORD TYPE: Directory

CONTACT: Sales Department

Contract Payables System (CPS) (R) allows users to transfer a contract profile to a system in order to see contractual obligations on a computer screen. After receiving a contract profile on a floppy disk from the Licensor, the user need no longer refer back to paper contracts. The system also provides a full tickler calendar that allows the user to remain aware of marketing deadlines, royalty report due dates, and other important milestones. The user enters shipped and invoiced data into the system regularly, or uploads it from other systems. Once each month or quarter, the user can press a key to automatically process and save to a file all royalty reports for a licensor; the file is sent to the Licensor via a modem or floppy disk. For any licensor who cannot electronically receive reports, the user can print and **mail** hard copies of reports. With the Contract Management feature, users can track cross collateralized contracts and perform many other functions. With the Royalty Reporting feature, the user can automatically create royalty reports and do royalty **calculations**, including separate ones and a combination of six types. A Comprehensive Royalty Summary Analysis is provided, and users can create **multiple levels** and a parent/child structure. When levels are added or deleted, relationships are not lost between generations. On Line System Help assists with procedures and data entry, and Editable Notes allow a company to enter custom policies and examples into its own online help. Standard reports and database querying tools are also provided.

DESCRIPTORS: Contracts; Publishing; Accounting; Sales Force Automation;  
Accounts Payable

HARDWARE: IBM PC & Compatibles; 80486; Pentium  
OPERATING SYSTEM: Windows  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Intellectual Property Licensors/Licensees, Other  
Businesses with Many Contracts  
PRICE: Available upon request

DOCUMENTATION AVAILABLE: Online documentation  
OTHER REQUIREMENTS: 8MB RAM; VGA+ monitor; Win 3.1+; 50MHz+ 80486 CPU  
required; 16MB RAM  
REVISION DATE: 990830

10/5/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01685569 DOCUMENT TYPE: Product

**PRODUCT NAME: LandCADD 2000 (685569)**

Eagle Point Software (523721)  
4131 Westmark Dr  
Dubuque, IA 52002-2627 United States

TELEPHONE: (563) 556-8392

RECORD TYPE: Directory

LandCADD 2000 is a landscape design software consisting of **many modules** that function with ACAD, Micro Station, IntelliCAD and stand alone. Windows Visual Landscaping is an integrated 2D and 3D package that lets users create working plans as well as material lists while designing in 2D and 3D views. Friendly design wizards guide users through the landscaping and design process. When the plan is completed, users can have automatically created a rendered image of the completed site to present to their client along with a professional project cost estimate. Site Analysis module works with any terrain model. It analyzes slope, aspect, elevation, visibility, shadow, proximity and map overlays, site analysis map symbols and watershed/flow direction. It also **calculates** actual surface areas as well as plan areas. Site Planning is used to assist the landscape architect in the layout of outdoor living, recreational areas, golf courses, sports complexes and parking lots. It allows for the easy placement of buildings, utilities and hardscapes. Landscape Design allows users to create planting plans in 2D and 3D simultaneously, allowing them to view their sites in multiple windows while designing. Changes made in any view are automatically reflected in all views. A plant growth simulator and a database for plant materials are provided. The plant database contains information on approximately 1,100 plants, covering every climatic zone around the world. Plants can be added or removed easily to ensure a match for local design consideration. The Irrigation Design module provides tools for designers to lay out, design and perform **calculations** on any size irrigation project using popular manufacturer's equipment. Users select a boundary and the program automatically inserts sprinkler heads at all the appropriate places. Once pipes are laid out, they are automatically sized for each zone. Construction Details is a set of more the 2,000 high-quality, predrawn details available for the civil, site design and irrigation. These details save many hours of tedious digitizing work and are easy to modify and are available on a variety of topics. Details can be quickly inserted into drawings or combined to create a complete sheet of details. A printout of each drawing is provided. Surface Modeling is designed to generate a topographic map. This map is generated from the physical features of the original ground survey points and their respective elevation and plan view feature lines for a proposed design. Flow lines for ditches, building outlines, walls and edges of roads or water are a few examples of these features. Site Design is used to analyze and design every type of earthwork projects including landfills, parking lots, building pads, reservoirs and drainage ditches. Powerful surface-to-surface volume **calculations** are included. Base Plan provides a set of tools used in setting up base plan elements such as property lines, title blocks, **letter** tools, etc. Base Plan can be used to layout property lines easily, label existing or proposed elevations and generate legal descriptions of the lots.

DESCRIPTORS: Landscaping; Pipe Layout; CAD; CAD CAM; Construction;  
Architects

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: AutoCAD; Windows  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Landscape Designers, Landscape Architects  
DATE OF RELEASE: 01/98  
PRICE: Available upon request

DOCUMENTATION AVAILABLE: User manuals; tutorials  
TRAINING AVAILABLE: Training; FAX support; e-mail support; telephone  
support; technical support  
OTHER REQUIREMENTS: 16MB RAM required  
REVISION DATE: 010131

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01685097 DOCUMENT TYPE: Product

**PRODUCT NAME: Dynamap/2000 8 (685097)**

Geographic Data Technology Inc (430358)  
11 Lafayette St  
Lebanon, NH 03766-1445 United States  
TELEPHONE: (603) 643-0330

RECORD TYPE: Directory

CONTACT: Sales Department

Dynamap/2000 8 gives users complete, current and comprehensive street and address information to provide optimal geocoding performance. More than one million updates are incorporated into the database quarterly using the latest data from the U.S. Postal Service, State and local governments, E911 agencies, customers and other information providers. Layer features, along with up-to-date street coverage and superior highway connectivity, make the product an optimal choice for routing applications. The layers include: (1) the highway layer which standardizes highway names and establishes Feature Class Code (FCC) **hierarchy** to produce consistent coding along highways, allowing users to generate clear, concise directions; ( 2 ) the street **layer** which includes physical turn restrictions such as bridges, tunnels and other physical barriers to enhance routing performance; and (3) the exit layer which provides reference points for map display and includes average speed information to help **calculate** routes and travel times using ArcView GIS and ARC/INFO.

DESCRIPTORS: Mapping; Route Management; Navigation Aids

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry  
PRICE: Available upon request; demo disk available

TRAINING AVAILABLE: Telephone support; e-mail support; technical support  
OTHER REQUIREMENTS: VGA+ adapter required  
SERVICES AVAILABLE: Newsletters  
REVISION DATE: 980624

10/5/4

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01348601 DOCUMENT TYPE: Product

**PRODUCT NAME: Billing Clerk with Accounts Receivable 4.1 (348601)**

Dilloware Inc (498262)  
2825 FM 2722  
New Braunfels, TX 78132 United States  
TELEPHONE: (830) 899-2100

RECORD TYPE: Directory

CONTACT: Sales Department

Billing Clerk with Accounts Receivable 4.1 is an easy-to-use, full-featured billing program for small businesses. It was designed for entry-level users who have very little computer and accounting experience. This is a modular system which does not overwhelm or frustrate the user. Some features

include: (1) detailed invoicing with the ability to handle free format typing, **multi - tier** pricing, discounts and price factors; (2) an optional recurring billing mode (monthly, quarterly, annually or any other cycle); (3) prints on standard preprinted forms/blank paper/post cards; (4) an unlimited number of customers and transactions are supported; (5) optional multi-rate tax **calculations** and report; (6) full screen editing that allows viewing the invoice and correcting its mistakes before it is printed; (7) save to disk for later recall, editing, etc.; (8) invoicing that automatically posts to the account; (9) open item or balance forward system support; (10) view account activity for the entire year, including aging and outstanding transactions; (11) late charges based on percentage and/or flat charge; (12) credit memos, adjustments, etc.; (13) customer list management ( **mailing** and shipping labels; and (14) reports such as Statements, Past Due Notices, Aging Report, Monthly Accounts Sales, Account Activity and Collection Reports.

DESCRIPTORS: Billing; Small Business; Accounts Receivable; Accounting;  
Sales Tax

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry, especially those that do Recurring  
Billing  
DATE OF RELEASE: 02/90  
PRICE: \$629.95 plus \$14.95 s+h; site licensing available; multiple  
computer licensing available

DOCUMENTATION AVAILABLE: User manuals  
TRAINING AVAILABLE: Installation; FAX support; telephone support;  
technical support  
OTHER REQUIREMENTS: 16MB RAM; Win 9x+ required  
SERVICES AVAILABLE: Conversion  
REVISION DATE: 011214

10/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01092819 DOCUMENT TYPE: Product

PRODUCT NAME: Fast Forward (092819)

Timeless Technologies Inc (720909)  
Belfast Post Office  
Prince Edward Island, PE C0A 1A0 Canada  
TELEPHONE: (902) 659-2000

RECORD TYPE: Directory

CONTACT: Sales Department

Timeless Technologies' Fast Forward is a client and data management system that includes word processor, **calculator**, calendar, and other features. Fast Forward can be used to manage clients, employees, or association members. For association management, the system lets users handle memberships, age groups, and fees. Fast Forward also can help people manage real estate properties, rentals, tenants, and payments. The system includes a relational database and a data- minder. All information can be combined, linked, and searched. Fast Forward's administration **module** offers security and **multiple** database control features. The product can store address, telephone number, time and date information, numeric identifiers, monetary values, locations, occupations, age, gender, and other data. Contacts and transactions can be linked to individuals or entities. The system's word processor can transform raw data into customized reports.

DESCRIPTORS: Associations; Club Management; **Mailing** Lists; Membership

HARDWARE: 80486; IBM PC & Compatibles; Pentium

OPERATING SYSTEM: Windows; Windows NT/2000

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Associations, Clubs

PRICE: Available upon request

OTHER REQUIREMENTS: 4MB RAM; 80486+ CPU; Win 3.1+ required

REVISION DATE: 020724

10/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00121934 DOCUMENT TYPE: Review

PRODUCT NAMES: **Machine Vision (833908); Genetic Algorithms (831972)**

**TITLE: Software Imitation of Natural Evolution: New Efficiency for Machin...**

AUTHOR: Eggleston, Peter

SOURCE: Advanced Imaging, v15 n1 p28(2) Jan 2000

ISSN: 1042-0711

HOME PAGE: <http://www.advancedimagingmag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Evolutionary programming, evolutionary **algorithms**, and evolutionary **computation** are the basis of a machine vision system developed and used by Siemens ElectroCom Constance for **mail** address reading. Fast, dependable, automated address reading requires location of the address block on a scanned **mail** item; segmentation into lines, words, characters, and digits via character and word recognition; and analysis and interpretation of the address. A key step is the ability to modify each **step** based on **various** parameters. According to an expert, the aim of sorting is location of the **postal** distribution code. Evolutionary **algorithms** are widely used in many engineering areas, but use in image processing is relatively new and rare. In contrast to the classification abilities of neural networks, Evolutionary **Algorithms** locate an optimal configuration based on multiple parameters. In Siemens' system, the Optima tool uses Natural Evolution methods to provide enhanced reading performance through sequential selection of parameter configurations via optimized parameter settings and combinations of disparate parameter configurations. Such settings provide the highest read rates and lowest number of errors for each installed system.

COMPANY NAME: Vendor Independent (999999)

SPECIAL FEATURE: Graphs Charts Output Samples

DESCRIPTORS: Image Processing; Machine Vision; **Mailing** Lists; OCR

REVISION DATE: 20000430

10/5/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00112800 DOCUMENT TYPE: Review

PRODUCT NAMES: **dfPower Series 3.0 (730939)**

**TITLE: Data Scrubbed Clean**

AUTHOR: Feibus, Andy

SOURCE: Information Week, v707 p96(2) Nov 2, 1998

ISSN: 8750-6874  
HOMEPAGE: <http://www.informationweek.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

DataFlux's dF Power Series 3.0, a data cleansing package, can make data queries done against data more accurate. For instance, large databases may include information entered in an inconsistent way that can adversely impact results. With products such as dF Power Series 3.0, processing and storage requirements can be lowered, and analysis results can be more precise. **Two modules** are provided: Match Module for analysis and reporting duplicate or close-to duplicate records; and Standardization Module for transforming data to lower the number of near-duplications. dF Power Series 3.0 runs on Windows 95/98 or Windows NT 3.51 or later. Match Module is easy-to-use, with tools that allow users to create a Match Definition by choosing the similar files to be matched. Intelligence can be added by including the field type for each field. Possible field types include last name, full name, address, **postal** code, phone number, and organization name. Users cannot create their own field types or change the **algorithms** for provided ones. Four match sensitivities are supported: exact, high, medium, and low. After processing, the user can see and print a chart that shows the percentage of duplicate records, or view, print, or store a formatted or delimited report of the duplicate or nonduplicate records. Also described are tools that enforce standardization values in specific fields.

PRICE: \$3500

COMPANY NAME: DataFlux Corp (655813)  
SPECIAL FEATURE: Screen Layouts Charts  
DESCRIPTORS: Database Utilities; File Conversion; IBM PC & Compatibles;  
Information Retrieval; List Processing; Quality Assurance; Windows;  
Windows NT/2000  
REVISION DATE: 20010830

12/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00112062 DOCUMENT TYPE: Review

PRODUCT NAMES: Cyber-SIGN Enterprise (717045)

TITLE: CyberSign pens signature tech

AUTHOR: Johnston, Margaret

SOURCE: Federal Computer Week, v12 n30 p62(2) Aug 31, 1998

ISSN: 0893-052X

HOME PAGE: <http://www.fcw.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Cyber Sign has developed a biometric signature product for the U.S. **Postal Service**. The technology will speed up bulk **mail** delivery by making it possible for the **USPS** to authenticate and validate orders from mailers who sign their names on a digital pad, and send the captured data over a network. Signatures have an advantage over other biometric identification methods, because they are already accepted as a method of making a document legally binding. The CyberSign technology measures the pressure applied to a signature, and the duration of the signing process. The data is converted into **algorithms**, and combined with measurements to reveal the individual characteristics of a person's signature. The system takes the dynamic nature of a signature and creates data out of it. A template is created after a user signs his or her name three times. The template is then stored on a file server for easy access. The prototype is being designed in Java, and security is added by wrapping the signature data in **encryption code** before it is transmitted over the network. Biometric signatures can replace passwords and personal identification numbers, which can be forgotten or stolen, and it can also eliminate the need for smart cards, which can be lost or stolen.

COMPANY NAME: Cyber-SIGN Inc (650935)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Biometrics; Freight Handling; Government; Handwriting  
Recognition; Security

REVISION DATE: 20020630

17/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00137415 DOCUMENT TYPE: Review

**PRODUCT NAMES: XSentry Firewall 1.6 (102474)**

**TITLE: XSentry Firewall**

**AUTHOR: Hinton, Craig**

**SOURCE: SC Infosecurity News Magazine, v13 n2 p44(1) Feb 2002**

**ISSN: 1096-7974**

**HOME PAGE: http://www.infosecnews.com**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: A**

Trustix's XSentry 1.6 Firewall, an excellent firewall, is a powerful product with an easily configured graphical user interface (GUI) that may help head off misconfigurations. Trustix wants to prevent leaky firewalls that result from an ill-suited console-style administration front end that may be too complicated and unintuitive. XSentry Firewall 1.6 provides a server installation procedure with the software-only version and is based on Trustix Secure Linux, which has a very similar installation. XSentry is available in two-, three-, and four-zone flavors, but most small companies will find the two-zone version adequate. However, larger companies may choose to partition their network into three or four zones and to include any other network resources, including mail servers and Web services, which are assigned a different level of protection. Many steps are automatic, and even if manual drive partitioning is chosen, users can use Disk Druid, an application widely used by Linux users. After the Linux Loader is installed, disk formatting and package installation occurs. The user then validates the license key. To access the Trustix Web site, generate the license key, and activate firewall functions, the user enters the eTicket supplied when the product was purchased. XSentry 1.6 Firewall also provides excellent support for mobile users, including connectivity through an encrypted tunnel.

**PRICE: \$780**

**COMPANY NAME: Trustix AS (723894)**

**SPECIAL FEATURE: Charts Screen Layouts**

**DESCRIPTORS: Computer Security; Firewalls; Internet Security;  
Internetworking; Network Administration; Network Software; System  
Monitoring**

**REVISION DATE: 20020730**

17/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00128505 DOCUMENT TYPE: Review

**PRODUCT NAMES: Visitant (033804); Customer Context Server (033812);  
Loyalty Suite 5.0 (009199)**

**TITLE: Context Servers May Link Disparate Systems to Crunch Data**

**AUTHOR: Borin, Elliot**

**SOURCE: Customer Relationship Management, v4 n11 p17(2) Jan 2001**

**ISSN: 1523-1240**

**HOME PAGE: http://www.crmmag.com**

**RECORD TYPE: Review**

**REVIEW TYPE: Product Analysis**

**GRADE: Product Analysis, No Rating**



YellowBrick Solutions' Visitant, Miosoft's Customer Context Server, and eLoyalty's Loyalty Suite 5.0 are highlighted in a discussion of context servers, which link different systems to crunch marketing data. Context servers stretch out to the edge of an enterprise, irrespective of hardware platform, operating system (including legacy COBOL systems), or application, to collect and analyze all information known about a customer and his or her earlier interactions with a company. Enterprises that can gain from the convergence of raw data, analysis, and object-modeling technology are those with multiple sales channels that work with customers generally on **multiple levels**. They usually have online, phone, bricks-and-mortar, and direct-mail wholesale and end-user sales of many products and services for various disparate clientele. Visitant is marketed as a customer experience management application that combines call center, marketing automation, sales, Internet, and wireless systems with back-office applications, databases, and analysis tools to present an object-modeled representation of a customer profile. Customer Context Server, an object-oriented application, tracks and integrated many types of customer information. Loyalty Suite 5.0 has six engines said by the vendor to be capable of many functions, including transformation of raw data to useful customer information, assisting executives in leveraging business policies and rules that influence customer loyalty, and use of Decision Engine to apply rules over multiple channels and applications.

COMPANY NAME: YellowBrick Solutions Inc (694975); Miosoft Corp (694983);  
eLoyalty (685313)  
DESCRIPTORS: CRM; Internet Marketing; Marketing Information; Sales Force  
Automation  
REVISION DATE: 20010430

17/5/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00111738 DOCUMENT TYPE: Review

PRODUCT NAMES: MacCom Center Plus 3.0 (722715)

TITLE: MacComCenter Plus 3.0  
AUTHOR: Somogyi, Stephan  
SOURCE: Macworld, p52(1) Oct 1998  
ISSN: 0741-8647  
HOMEPAGE: <http://www.macworld.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: C

Smith Micro Software's MacCom Center Plus 3.0 is a modem utility that offers comprehensive tools for enhancing modem performance but suffers from a bulky user interface and poor integration. **Multiple modules** handle fax, voice mail, terminal emulation, and paging functions, and an address-book editor and scheduler allow users to define and assign locales to various locations. The program rapidly handles faxing from within any application that supports printers, including background faxes. Voice-capable modems can access MacComCenter's Script Editor for creating voice mail messages and saving them. Also included is TextBridge OCR software from Xerox, which allows users to scan received faxes into text documents. Though MacComCenter is a very immature product for being in its third revision and lacks a decent user interface, any user looking to add fax software, voice-mail, and fax-on-demand capabilities will find the program's rough edges more than bearable.

PRICE: \$100

COMPANY NAME: Smith Micro Software Inc (356875)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Apple Macintosh; Communications; Fax Back; Fax Software;

MacOS; Paging; Telecommunications; Terminal Emulators; Voice Mail  
REVISION DATE: 20001130

17/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00109902 DOCUMENT TYPE: Review

PRODUCT NAMES: Sesame Street: Elmo's Preschool Windows (673323); Disney's Ready for Math with Pooh Windows & Macintosh (681873)

TITLE: CD-ROMs for Preschoolers  
AUTHOR: Pack, Thomas  
SOURCE: Link-Up, v15 n4 p30(2) Jul/Aug 1998  
ISSN: 0734-988X  
HOMEPAGE: <http://www.infotoday.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Comparison  
GRADE: Product Comparison, No Rating

A number of children's CD-ROMs, including Sesame Street: Elmo's Preschool for Windows 3.x from Creative Wonders and Disney Interactive's Disney's Ready for Math with Pooh for Windows and Macintosh, are challenging books for certain age ranges. Elmo's Preschool is for children ages 3-5 and does not require any reading skills to use. The program is divided into several different rooms where children can play games with letters, colors, shapes, and sounds, and can enjoy free play interaction by choosing from assorted noses, eyes, and mouths to create Muppets. The best aspect of the CD-ROM is how it responds to children's answers, presenting Elmo's faces in many emotions to reinforce correct answers and encourage learning with wrong ones. Ready for Math with Pooh is for kids aged 3-6 to explore a garden of numbers and seven multi-level, self-paced activities for learning basic math concepts. Each level contains three levels of difficulty and rewards children with seeds to be planted in a virtual garden when answers are given correctly, each seed growing into a plant as the lessons continue.

COMPANY NAME: Creative Wonders (612201); Disney Interactive (500089)  
DESCRIPTORS: Apple Macintosh; CD-ROMs; E-Learning; IBM PC & Compatibles; MacOS; Math Packages; Preschool Age; Windows  
REVISION DATE: 20010630

17/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00101324 DOCUMENT TYPE: Review

PRODUCT NAMES: Netscape Communicator (661023); Netscape Navigator 4.0 (611115)

TITLE: Netscape spices up Navigator 4.0 suite  
AUTHOR: Wilburn, Gene  
SOURCE: Computing Canada, v23 n3 p26(1) Feb 3, 1997  
ISSN: 0319-0161  
HOMEPAGE: <http://www.plesman.com/cc>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

Netscape Communications' Netscape Communicator & Directory Server, a suite of Windows 95 programs, is Netscape's entry in the groupware market. Components included are Netscape Navigator 4.0, Messenger, Collabra,

Composer, and Conference. Navigator 4.0 has button bars that strongly resemble Internet Explorer's (IE's). Navigator 4.0 has an Office 97-look that is more streamlined and not as squared off. Collapsing controls still allow users to roll up toolbars, and Bookmarks are now accessible from a main button beside the uniform resource locators (URLs) window. Other access is from the Window entry in the menu bar. Editing and reordering Navigator bookmarks are still clumsy processes, unfortunately. Inbox executes Netscape Mail, which provides an address book, signature file, and rudimentary filtering. The mail module has tools for rich text, including fonts. Discussions provides access to a redesigned newsgroup reader that is similar to Microsoft's Microsoft News Reader, with enhanced **hierarchical** viewing of threads. Folders merges **mail** folders and newsgroups, and Composer is a Hypertext Markup Language (HTML) editor based on Navigator Gold. To edit native HTML, however, users have to employ a separate editor. No World Wide Web site management tools are provided, and Composer is not in the same league with Microsoft's FrontPage 97. Conference allows users to use a microphone and speakers to conference with other users of Netscape's Communicator.

COMPANY NAME: Netscape Communications Canada Inc (617351)  
SPECIAL FEATURE: Screen Layouts Charts  
DESCRIPTORS: Authoring Systems; Conferencing; Front Ends; Groupware; HTML;  
IBM PC & Compatibles; Internet Browsers; Netscape; User Interfaces;  
Windows  
REVISION DATE: 20010730

17/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00099943 DOCUMENT TYPE: Review

PRODUCT NAMES: Windows Draw! 5.0 Windows (012579)

TITLE: **Expert Tools for Novice Artists**  
AUTHOR: Haskin, David  
SOURCE: Computer Shopper, v17 n2 p442(1) Feb 1997  
ISSN: 0886-0556  
HOMEPAGE: <http://www.computershopper.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

Micrografx's Windows Draw! 5 Graphics & Print Studio is a dynamic drawing program with a low price tag that makes print projects for home and business users possible through the use of wizard-based automation. Through the use of 17 built-in project categories and 20 wizards, users can use this versatile dynamic program to create everything from brochures to flyers to World Wide Web pages. Notably lacking, however, is the ability to publish Web pages, a feature which comes with competing the Microsoft Publisher's program. Windows Draw 5 is relatively simple to use, and offers a full range of drawing and image editors. Outstanding features include 30 precreated vector shapes to help create images; smart lines that can connect shapes in business diagrams; special effects to manipulate text and graphics; strong text handling capabilities; and an address book for performing **mail** merges. Advanced features include Instant 3D, a **separate application** for the creation of 3D text and graphics, and PhotoMagic, the capability of managing graphic files. Two accompanying CD-ROMs include 20,000 pieces of clip art and 250 TrueType fonts.

COMPANY NAME: Micrografx Inc (341614)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Draw; Graphics Tools; IBM PC & Compatibles; Image Processing;  
Windows; Windows NT/2000  
REVISION DATE: 20000830

17/5/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00099022 DOCUMENT TYPE: Review

PRODUCT NAMES: Claris Organizer 2.0 Macintosh (522406); Internet Sidekick  
Windows 95 (619027); Janna Contact Personal (543161); Lotus Organizer 97  
(393991); On-Schedule 3 (648582); On-Schedule 97 (648574)

TITLE: Get Organized: Hire a Software Secretary

AUTHOR: Albinus, Philip

SOURCE: Home Office Computing, v15 n2 p93(6) Feb 1997

ISSN: 0899-7373

HOME PAGE: <http://www.smalloffice.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

Claris's Claris Organizer 2.0 for Macintosh, Starfish Software's Internet Sidekick, Janna Systems' Janna Contact Personal, Lotus Development's Lotus Organizer 97, Odyssey Computing's On-Schedule 3.0, Individual Software's AnyTime Deluxe, Franklin Quest's Ascend 7, and Day-Timer Technologies' Day-Timer Organizer 2.1 are personal information managers (PIMs) reviewed and compared. The products were tested for implementation of various basic functions, including contact data entry, planning with the scheduler, and taking notes. Search data filters and mail merges were created with either a **separate** favorite word **processor** or a built-in one. Each PIM was to use the same imported contact data from Ecco Pro 3.0 for Windows, but some of the PIMs tested could not process the native Ecco Pro format. Janna Contact Personal and Claris Organizer for the Macintosh are rated the best buys, with Internet Sidekick a close third. Claris Organizer is an elegant powerful tool, and both Claris Organizer and Sidekick optimize use of their supporting operating systems. On-Schedule and Lotus Organizer are powerful choices with friendly scheduling tools. AnyTime Deluxe, Ascend 97, and Day-Timer Organizer are less impressive, but the last two are good choices for users of their vendors' paper-based PIM products.

COMPANY NAME: Apple Computer Inc (114936); Starfish Software Inc  
(602434); Siebel Systems Canada Ltd (598798); Lotus Development Corp  
(254975); Odyssey Computing Inc (583961)

SPECIAL FEATURE: Screen Layouts Buyers Guides

DESCRIPTORS: Address Books; Apple Macintosh; Desk Accessories; IBM PC &  
Compatibles; MacOS; Personal Information Management; Time Management;  
Windows

REVISION DATE: 20020124

17/5/8

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00090013 DOCUMENT TYPE: Review

PRODUCT NAMES: SNMP 2 (830056); RMON MIB 2 (830443)

TITLE: Final Approval is Imminent

AUTHOR: Paone, Joe

SOURCE: INTERNETWORK, v7 n3 p32(1) Mar 1996

ISSN: 1055-1808

HOME PAGE: <http://www.internetnetworkweb.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

The Simple Network Management Protocol v2 (SNMP2) working group, known for its combative style, could learn a few things from the Remote Monitoring (RMON) 2 MIB (Management Information Base) working group. The latter submitted standards to the IETF for track action in August 1995, and publication is not far off. Some changes will be made in March 1996 at the IETF meeting in Los Angeles, where the document framework will be discussed, along with mailing list suggestions for small revisions. RMON-2 adds higher-level features to the popular RMON protocol, so that network managers have to deal with less raw data, and get more practical information. RMON vendors say they plan to support RMON-2 in their products, and they will also provide OEM software to network box makers, who will embed RMON-2 in their products.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: Network Administration; Network Management; Network Software;  
Standards; System Monitoring  
REVISION DATE: 20020630

17/5/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00077969 DOCUMENT TYPE: Review

PRODUCT NAMES: OCTuS Personal Telecommunications Assistant (530085)

TITLE: Octus Personal Telecommunications Assistant  
AUTHOR: Marcus, Michael N  
SOURCE: Teleconnect, v13 n4 p60(3) Apr 1995  
ISSN: 0740-9354  
HOMEPAGE: <http://www.teleconnect.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

OCTuS developed the OCTuS Personal Telecommunications Assistant (PTA) hardware/software combo to provide older telephones with some of the features of new models. The product connects to an OS/2 or Windows PC, which can register incoming calls and show the name and number of a caller if the user has Caller ID service. The user can answer the call, call up an address book, make other calls and put them on hold, and switch back and forth between calls before hang-up. A Call log holds large quantities of information that can be moved from the log to an address book, and the user can print the address book or import and export files to and from other programs. Two available add-on modules include Personal Voice Mail (a digital answering machine) and Personal Fax (a fax send/receive module).

PRICE: \$199

COMPANY NAME: OCTuS Inc (593893)  
SPECIAL FEATURE: Tables Screen Layouts  
DESCRIPTORS: Address Books; Fax Software; IBM PC & Compatibles; OS/2;  
Telecommunications; Telephone Directories; Telephone Monitoring; Voice  
Mail; Windows  
REVISION DATE: 20011030

17/5/10

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00077581 DOCUMENT TYPE: Review

PRODUCT NAMES: Bob (546305)

TITLE: Sheesh-Ka-Bob

AUTHOR: Magid, Lawrence  
SOURCE: NetGuide, v2 n5 p27(1) May 1995

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Microsoft Bob is a software tool that provides an alternative to the Windows interface. It includes built-in applications, including an address book, calendar, e-mail, and checkbook organizer. Bob's intention is to make computing comfortable for novices, although some find it to be frustrating, and even insulting to the user's intelligence. There is no manual, users are given a personal, on-screen animated guide. The guide is always present in the lower right corner of the screen, waiting to tell the user what to do. The interface shows a room with different objects that launch the various programs. The e-mail system works only with MCI Mail, and the word processor, Bob's **Letter** Writer, requires too **many steps** for simple tasks. Bob requires 30MB of disk space, a 486 or higher PC, and 8 MB of RAM.

COMPANY NAME: Microsoft Corp (112127)  
DESCRIPTORS: IBM PC & Compatibles; System Utilities; User Interfaces;  
Windows  
REVISION DATE: 19950930

17/5/11

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00075962 DOCUMENT TYPE: Review

PRODUCT NAMES: **MyProfessionalMailManager (549983)**

TITLE: **Special Delivery**  
AUTHOR: Hollander, Geoffrey  
SOURCE: Home Office Computing, v13 n3 p46(2) Mar 1995  
ISSN: 0899-7373  
HOMEPAGE: <http://www.smalloffice.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

MySoftware's MyProfessionalMailManager is an excellent product for those who use direct mail in their business. This product enables users to assemble bulk mailings correctly. MyProfessionalMailManager is comprised of **two modules**: a **mailing** list database and a CASS-certified (Coding Accuracy Support System) CD-ROM address-checker containing the entire U.S. Postal Service National Database, which checks users lists for approves address standardization, five-digit zip verification, and carrier route. This is good list management software which performs duplicate record searches and provides custom report and label options.

PRICE: \$130

COMPANY NAME: Elibrium Inc (479276)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Direct Marketing; List Processing; Mailing Lists; ZIP Codes  
REVISION DATE: 20020124

17/5/12

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00069864 DOCUMENT TYPE: Review

PRODUCT NAMES: CorelCentral (501298)

TITLE: Working with...InfoCentral  
AUTHOR: Huber, Rick  
SOURCE: PC Today, v8 n9 p64(1) Sep 1994  
ISSN: 1040-6484  
HOMEPAGE: <http://www.pctoday.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

InfoCentral, WordPerfect's personal information manager (PIM), is an easy to link, maneuverable, object-oriented (OO) product. It provides drag-and-drop linking features for people, places, things, time, and events. All the interrelationships can be user-configured without any programming required. It installs as a Windows program, and the main menu contains the standard Windows tool and menu bars. Tabs across the bottom of the screen allow the user to navigate an open file for such items as notes, calendar, calls, and mailing list. An outline view shows data hierarchically, and the calendar view also displays any related notes. An address book shows individual data for names entered. The user adds an object from the menu bar Add button, which displays categories, and all object connections are shown in outline format. InfoCentral is recommended as a good alternative to more expensive PIMs.

PRICE: \$139

COMPANY NAME: Corel Corp (421723)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Address Books; Calendars; Desk Accessories; IBM PC & Compatibles; Mailing Lists; Personal Information Management; Windows  
REVISION DATE: 19980228

17/5/13  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00067076 DOCUMENT TYPE: Review

PRODUCT NAMES: BitFax Professional 3.0 Windows (296945); WinFax Pro 4.0 (339393); Eclipse FAX 1.21 (425982); FaxWorks Pro 3.0 (501581); UltraFax 1.1 (417955)

TITLE: PC Faxing  
AUTHOR: Marshall, Patrick  
SOURCE: PC World/Lotus Edition, v12 n8 p174(10) Aug 1994  
ISSN: 0737-8939

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

Six leading PC faxes, which let users open the desired document and print it to their fax modems, are reviewed. BitFax Professional 3.0 for Windows offers voice mail and is quick, but has too many separate modules and is slow in fax manipulation. Eclipse Fax 1.21 receives in DOS and also is fast, but does not offer modem auto-detect and cannot sort the program's phone book. FaxWorks Pro 3.0 is readily installable and easy to use, and features cue cards and auto-forward; however, it neglects log-sorting tools. While UltraFax 1.1 is inexpensive, faxes are difficult to send, search tools and an archiving tool have been overlooked, and there is no macro support. Winfax Pro 4.0, rated the best buy, and datafax+ 4.1 are also reviewed.

COMPANY NAME: ACCPAC International Inc (649775); Symantec Corp (386251); Phoenix Technologies Ltd (355135); Tut Systems Inc (600318); Learning

Co (367346)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Fax Software; IBM PC & Compatibles; MS-DOS;  
Telecommunications; Voice Mail; Windows .

REVISION DATE: 20010830



19/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01716413 DOCUMENT TYPE: Product

**PRODUCT NAME: StreetNetwork Geocoder (716413)**

Geographic Data Technology Inc (430358)  
11 Lafayette St  
Lebanon, NH 03766-1445 United States  
TELEPHONE: (603) 643-0330

RECORD TYPE: Directory

CONTACT: Sales Department

StreetNetwork Geocoder combines the resources of **USPS** Data, digitized geographies, Telecommunications boundaries, GIS technologies and manual address placement to achieve pin-point accuracy anywhere in the United States. The StreetNetwork Geocoder library provides users with a different geocoding technology. Other geocoders use address ranges to mathematically **calculate** distances along a range. This geocoder uses a point file of known locations to find the location of the input database. This geographically-referenced core database provides users with a positive identification address standardization and lat/lon for all U.S. deliverable addresses. StreetNetwork Geocoder combines three different components, the address standardizer, the geocoding database and the software module. The database contains the geographic locations and comprises of three different components including: (1) an address database containing known addresses/locations; (2) a phone database of wire center locations; and (3) a points-of-interest database containing named geographic locations (the modules contain the **dynamically** -linked libraries (DLL's). In batch mode the geocoder allows users to goecode an entire database of addresses in one pass. The process geocodes all of the addresses in the database and adds fields for zip codes, lat/lon coordinates, Census ID and the CRRT number as needed. The address, phone and geographic location DLL's work together seamlessly. They accept a single piece of information (i.e., address, phone number or location name) and return the corresponding information for the best match in the data along with the location coordinates. In addition, the geocoder returns the ZIP code, lat/lon coordinates, Census ID, and CRRT number for the input address. This standardization greatly increases the accuracy of rooftop-level geocoding. If the geocoder is unable to locate an exact match, users can choose either to make the closest match or have the goecoder mathematically interpolate the location using all available data. StreetNetwork Geocoder benefits include: (1) half the price of other geocoders; (2) improved hit rate; (3) geocoder produced by the same provider as the street data; (4) **dynamically** -linked libraries are included and updated bi-monthly; (5) easily inputs into any GIS platform; (6) custom application development; (7) no expiration feature to limit use; (8) NT-based for optimal server speeds; (9) easily interfaces with Web applications; and (10) an address standardization engine included.

DESCRIPTORS: Mapping; Content Providers; Mailing Lists; CD-ROMs; List Processing; Geographical Information Systems; ZIP Codes

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Open Systems  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry  
PRICE: \$7,500 - U.S.; \$995 - state; includes support; multi-user, Internet and multi-year pricing available

DOCUMENTATION AVAILABLE: Included with package  
TRAINING AVAILABLE: Technical support  
SERVICES AVAILABLE: Reference database updates  
REVISION DATE: 011029

19/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01640085 DOCUMENT TYPE: Product

**PRODUCT NAME: BNA Sales & Use Tax Rates & Forms on CD (640085)**

BNA Software (399914)  
1231 23rd St NW 2nd Floor  
Washington, DC 20037 United States

RECORD TYPE: Directory

CONTACT: Sales Department

BNA Sales & Use Tax Rates and Forms on CD for Windows is updated monthly and keeps users up-to-date on all sales and use tax rates, forms and instructions for compliance and audits. BNA includes: (1) complete look-up tables of sales and use tax rates for all U.S. taxing jurisdictions with easy search by state, county, city or ZIP code (covers all current ZIP codes issued by the **USPS** ); (2) over 1,500 sales and use tax forms and their instructions including exemption certificates, business registration, powers of attorney and many others; (3) 8 built-in **calculation** abilities with every form as needed; (4) a convenient What's New feature to display what has **changed** since last month's release; (5) Web-based interim rate **changes** ; and (6) an optional Rates File Generator which exports sales and use tax rates into formats for use in other systems.

DESCRIPTORS: Sales Tax; Accountants; Content Providers; Information Retrieval; Government Regulations; Business Forms

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows; Windows NT/2000  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: CPAs, Corporate Tax Managers, Controllers  
PRICE: \$595 - \$1,550 per year; includes monthly updates and support

DOCUMENTATION AVAILABLE: User manuals  
TRAINING AVAILABLE: Telephone support; technical support  
OTHER REQUIREMENTS: 4MB RAM; CD-ROM drive; 4MB disk space required  
SERVICES AVAILABLE: Reference database updates  
REVISION DATE: 001127

19/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01617521 DOCUMENT TYPE: Product

**PRODUCT NAME: ApproveIt 4.01 (617521)**

Silanis Technology Inc (601349)  
398 Isabey 2nd Floor  
Ste Laurent, PQ H4T 1V3 Canada  
TELEPHONE: (514) 337-5255

RECORD TYPE: Directory

CONTACT: Sales Department

ApproveIt 4.01 is an innovative, off-the-shelf software application that functions seamlessly with MS-Word (TM), MS-Excel (TM), Adobe Acrobat (TM), and JetForm FormFlow (TM). ApproveIt is used to streamline business

approval processes and enhance the electronic distribution and routing of documents. ApproveIt offers secure, legally binding electronic signatures, known as Intelligent Signatures (TM); automation functions that ensure that signing processes occur smoothly and easily; and control capabilities to allow for the management of procedures and policies. Designed to simulate paper approval procedures, ApproveIt merges seamlessly into existing processes without re-engineering the traditional way of doing business. In addition, developer tools are available for custom applications. ApproveIt's features include: a combination of advanced signature technology and electronic handwritten signatures that meets governmental, commercial, and international electronic business standards; signing of documents using a password-encrypted signature or a digitizer tablet; CryptoAPI functions allow for the creation and utilization of digital signatures and digital certificates using an industry-standard RSA algorithm; automatic detection of any **changes** made to a signed document, ensuring document validity; tampering safeguards; printing of high-quality signatures is cancelled when the content of a document has been **changed**; management of multiple and sectional signature approvals, and maintenance of the authenticity of individual sections and the entirety of the document; automatic, **dynamic** updating of data entered during approval; automatic placement of signatures at predefined locations in the document; document approval history, document data, user profile details, and electronic signature images are securely encrypted and embedded in the document; and single command signing, authentication, and secure printing of batch or form **letter** documents.

DESCRIPTORS: Document Management; Network Software; File Security;  
Handwriting Recognition

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows; Microsoft Word; Excel  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Pharmaceuticals, Insurance, Government, Manufacturing,  
Cross Industry  
DATE OF RELEASE: 01/1992  
PRICE: Available upon request; Internet demo available; run--time licenses  
available

NUMBER OF INSTALLATIONS: 16000  
TRAINING AVAILABLE: On-site training; training; technical support; support  
contracts available  
OTHER REQUIREMENTS: 16MB RAM; 6MB disk space required  
SERVICES AVAILABLE: Custom programming  
REVISION DATE: 991129

19/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01533246 DOCUMENT TYPE: Product

PRODUCT NAME: Certified Mail Software 2.5 (533246

North Winds Inc (455466)  
PO Box 375  
Greensburg, PA 15601 United States  
TELEPHONE: (724) 838-8993

RECORD TYPE: Directory

CONTACT: Sales Department

Certified **Mail** Software 2.5 offers an automatic method for filling in an entire certified **mail** piece. The system is easy to use. Users simply fill in the blanks on the screen image of the form. They then edit, print or save the data in a file for later editing or printing. All **calculations**

are done automatically. Standard certified **mailing** fees have already been programmed, but when the rates **change**, these can be easily adjusted. For future mailings to clients, users can store several labels in a batch file. The number of batch files is unlimited. A special macro feature records the users' keystrokes so that with one keystroke, users can fill out an entire document.

DESCRIPTORS: Labels; Print Utilities; **Mailing** Lists; Business Forms

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows  
PROGRAM LANGUAGES: Delphi  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry  
DATE OF RELEASE: 01/95  
PRICE: \$50; \$150 - Pro version

NUMBER OF INSTALLATIONS: 10000  
DOCUMENTATION AVAILABLE: User manuals  
TRAINING AVAILABLE: Telephone support; e-mail support; technical support  
OTHER REQUIREMENTS: 16MB RAM required  
REVISION DATE: 001129

19/5/5

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01343862 DOCUMENT TYPE: Product

PRODUCT NAME: ZIP\*Select (343862)

**MAILER** 's Software (574643  
22382 Empressa  
Rancho Santa Margarita, CA 92688-2112 United States  
TELEPHONE: (949) 492-7000

RECORD TYPE: Directory

CONTACT: Sales Department

ZIP\*Select allows users to select ZIP codes by radius, county or SCF (first three digits of the ZIP code). Users can even add their client's name to a printed report to give it a real custom touch. The radius can range from one to 999 miles. The multiple-county option selects ZIP codes for several counties or all the counties in a state. Another option lets users select ZIP codes by SCF. The program also **calculates** the distance between any two ZIP codes or any two cities. The system includes **Mailer** 's Software's popular lookup routine that lets users look up ZIP codes and find telephone number locations almost instantly. The package is updated twice a year to keep the data current with the latest ZIP code **changes**.

DESCRIPTORS: ZIP Codes; **Mailing** Lists; List Processing; Direct Marketing  
; Catalogs; Content Providers

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: MS-DOS  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry  
DATE OF RELEASE: 03/88  
PRICE: \$290

NUMBER OF INSTALLATIONS: 1300  
DOCUMENTATION AVAILABLE: User manuals  
TRAINING AVAILABLE: User installed; technical support  
OTHER REQUIREMENTS: 512K RAM required  
SERVICES AVAILABLE: Reference database updates

REVISION DATE: 990929

19/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01330485 DOCUMENT TYPE: Product

PRODUCT NAME: DENEb 2000 Office Tools 9.0 (330485)

Deneb Inc (375527)  
201 Riverside Dr #2C  
Dayton, OH 45405-4956 United States

RECORD TYPE: Directory

CONTACT: Sales Department

DENEb 2000 Office Tools 9.0 provides an appointment calendar and daily schedule for each user; a ten-key **calculator** ; a personalized telephone book; a contact organizer; reminder notices; a a financial **calculator** that performs various **calculations** with specified sums of money; and utilities for the entire DENEb system such as **changing** the default printer for an application and printing the screen displayed. The names and telephone numbers from the DENEb Contact Organizer/ **Mailing** List application can be loaded into the telephone book. The reports include a calendar of appointments, deposit planner **calculation** , future fund **calculation** , inflation value **calculation** , loan amortization, loan payment chart, money market **calculation** , notepad and telephone book.

DESCRIPTORS: Appointment Scheduling; Calendars; **Calculators** ; Desk Accessories; Construction; Personal Information Management; Telephone Directories; Office Automation

HARDWARE: IBM PC & Compatibles; Sun; UNIX  
OPERATING SYSTEM: Windows; Windows NT/2000; UNIX  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Mini; Micro; Workstation  
POTENTIAL USERS: Construction  
DATE OF RELEASE: 04/90  
PRICE: \$895 and up

NUMBER OF INSTALLATIONS: 695  
DOCUMENTATION AVAILABLE: User manuals; reference manuals  
TRAINING AVAILABLE: Training for dealers; training through dealers;  
support through dealers  
REVISION DATE: 020821

19/5/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01204285 DOCUMENT TYPE: Product

PRODUCT NAME: LOANLEDGER++ (204285)

**Dynamic** Interface Systems Corp (379531)  
5959 W Century Blvd #1200  
Los Angeles, CA 90045 United States  
TELEPHONE: (310) 568-4567

RECORD TYPE: Directory

CONTACT: Sales Department

LOANLEDGER++ is a multicompany, fully online loan servicing system for

mortgage loans, simple interest loans, rule-of-78 loans, commercial loans, construction loans, adjustable rate mortgages (with graduated payments floating rate mortgages and floating prime rate adjustments) and loans with negative amortization or interest accrual. It supports weekly, biweekly, monthly, quarterly, negotiated or annual payments. An unlimited note pad is provided for documenting calls, correspondence and legal. The program instantly **calculates** and displays payoffs and automatically **calculates** and displays interest, nsf, late fees, taxes and insurance. More than 50 standard reports, ageings, ledgers and analyses can be generated. 'What-if?' or real amortization schedules can be sent to the screen or printer. A report writer can be used to create reports. The system complies with the FASB91 principal bonding method and supports nine password levels for complete security. Billing statements or coupons can be created and collection **letters** and 1098s can be produced.

DESCRIPTORS: Mortgages; Loan Management; Financial Institutions; Banks;  
· Loan Schedules

HARDWARE: IBM PC & Compatibles; IBM System/36; IBM System/38  
OPERATING SYSTEM: Windows; Windows NT/2000  
PROGRAM LANGUAGES: Visual Basic  
TYPE OF PRODUCT: Mini; Micro  
POTENTIAL USERS: Mortgage Companies, Banks, Thrifts, Time Share Companies,  
Land Development  
DATE OF RELEASE: 4/84  
PRICE: \$9,500; \$14,500 - LAN; \$33,850 - WAN

NUMBER OF INSTALLATIONS: 800  
TRAINING AVAILABLE: On-site training; training at vendor location;  
telephone support; technical support  
OTHER REQUIREMENTS: 128MB RAM; Win 9x+ required  
SERVICES AVAILABLE: Custom programming; updates  
REVISION DATE: 011012

19/5/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01053329 DOCUMENT TYPE: Product

PRODUCT NAME: CompuLaw Vision (053329)

CompuLaw LLC (361895)  
10277 W Olympic Blvd PO Box 67720  
Los Angeles, CA 90067 United States  
TELEPHONE: (310) 553-3355

RECORD TYPE: Directory

CONTACT: Sales Department

CompuLaw's Vision (TM) is a rules calendar database that automatically **calculates** and schedules docket events for law firms based on current rules requirements. Rules are provided for each service option, such as service by **mail**, fax, or courier. Custom rules sets can be created so that deadlines are organized and integrated directly into the attorney's Outlook (R) or GroupWise (R) programs. An extensive report optimizer module generates daily, weekly, and monthly charts. CompuLaw's Vision also features an auto-text option, which allows lawyers to **change** rule descriptions to reflect their own firm's unique language. Audit trails track every **change** or deletion made to any event and enable the user to easily print or view this information.

DESCRIPTORS: Calendars; Time Management; Law Firms; Professional Time &  
Billing; Professional Service Automation; Legal

HARDWARE: IBM PC & Compatibles

OPERATING SYSTEM: Windows NT/2000; Windows; NetWare  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Law Firms, Calendaring  
PRICE: Available upon request

REVISION DATE: 000000

19/5/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01040495 DOCUMENT TYPE: Product

**PRODUCT NAME: Circulation Command (040495)**

Media Command (698164)  
5445 W Cypress St #300  
Tampa, FL 33607 United States  
TELEPHONE: (813) 739-1700

RECORD TYPE: Directory

CONTACT: Sales Department

Media Command's Circulation Command (TM) suite allows newspaper and magazine publishers and distributors to streamline processing. The system supports bulk and single copy mailings. It also includes Internet-based return, supply, and subscription options, as well as routes and subscriber management features. Circulation Command includes the VisionShift (R) **PostalPro**, VisionShift PrePrint, Matrix Single Copy Sales, Matrix Direct, and Route Command modules. The suite's VisionShift **PostalPro** component ensures compliance with **postal** regulations, handling periodical, standard A, and first class mailings. The module is updated monthly. CirculationCommand's VisionShift PrePrint module provides ordering, pricing, and reporting features. The module evaluates zoning requirements and identifies package variations. It also includes scheduling options. VisionShift PrePrint provides users with insert distribution, insert summary, preprint history, and ad hoc reporting options. Circulation Command's Matrix module manages the supply of daily newspapers and magazines into wholesale and retail distribution channels. Users can analyze information, adjusting distribution according to sales **fluctuations**. The module offers managers sales, payment history, retailer profile, and other information. Circulation Command's Matrix Direct component handles physical distribution of periodicals to households and businesses. The module integrates with third-party monitoring systems, validating and controlling dispatches and complaints. It manages subscriptions, **calculates** delivery agent compensation, and produces route cards. Circulation Command's Route Command is a route management component that displays delivery manifests and collects vendor payment information.

DESCRIPTORS: Circulation Management; CRM; Customer Service; Magazine Publishers; Newspapers; Publishing; Route Management; Subscription Management

HARDWARE: IBM PC & Compatibles; Palm  
OPERATING SYSTEM: Palm OS; Windows; Windows NT/2000  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Magazine Publishers, Newspapers  
PRICE: Available upon request

REVISION DATE: 020822

19/5/10

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01017439 DOCUMENT TYPE: Product

PRODUCT NAME: LOGMATE 5.4 (017439)

Infinity Systems Inc (437425)  
1249 Graafschap Rd  
Holland, MI 49423 United States  
TELEPHONE: (616) 392-8442

RECORD TYPE: Directory

CONTACT: Sales Department

LOGMATE 5.4 is a menu-driven truck driver logbook, accident and personnel reporting system that provides a cost effective, time saving way to track drivers' compliance with U.S. D.O.T. regulations. Data entry is fast and simple. No technical expertise or detailed knowledge of federal regulations is required. **Changes** of duty status are traced on AM/PM logbook grids via a Microsoft mouse or keyboard. With either method, the software provides not only a rapid means of recording a driver's time but automatic detection of the critical 10/15/60/70 hour violations, even across days. Total hours on duty are **calculated** for 60/70 hour periods. Drug test dates and results, 25 D.O.T. violations, seven company violations and other data are maintained by the driver. The system allows users to compose up to 12 violation **letters** for five types of violations as well as to remind drivers of upcoming renewals. LOGMATE **calculates** drivers' hours available for tomorrow or the date of choice using logged hours or hours reported by phone. Nine logbook reports, four accident reports and one personnel report can be printed weekly, monthly, yearly or on demand in a 80-column format. The system can handle a maximum of 9,999 drivers.

DESCRIPTORS: Trucking; Government Regulations; Fleet Operators;  
Transportation

HARDWARE: IBM PC & Compatibles; 80386; 80486; Pentium  
OPERATING SYSTEM: MS-DOS; Windows  
PROGRAM LANGUAGES: Visual FoxPro  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Private, Contract, Common and Exempt Carriers  
DATE OF RELEASE: 6/86  
PRICE: \$395 - 1-49 drivers; \$595 - 50-99 drivers; \$795 - 100+ drivers;  
\$995 - network version  
NUMBER OF INSTALLATIONS: 185  
DOCUMENTATION AVAILABLE: User manuals  
TRAINING AVAILABLE: User installed; technical support; telephone support  
OTHER REQUIREMENTS: DOS - 640K RAM required  
SERVICES AVAILABLE: Updates  
REVISION DATE: 010131

19/5/11

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01016754 DOCUMENT TYPE: Product

PRODUCT NAME: PayBreeze (016754)

General Programming Inc (422606)  
2000 W Hedding St  
San Jose, CA 95128 United States  
TELEPHONE: (408) 248-5320

RECORD TYPE: Directory

CONTACT: Sales Department



PayBreeze is a 51-state payroll handcheck **calculator** for every jurisdiction in the United States. It has no written manuals, no menus, no save files. It does not print paychecks but will print an earnings statement (stub) which can be given to the employee, attached to a payroll voucher or used as input to the user's regular payroll system. The system has context-sensitive HELP and prompts, overview instructions and all tax tables and rules embedded in the programs. It is not a payroll system but rather a tool for payroll departments. The software will **calculate** a correct paycheck including 401K and 125 plans for any period, even fractional periods. It can model 52-week payroll **calculations** and can **calculate** employee new-hire, bonus, commission, supplemental, correction, layoff, termination or moving-expense checks. The system can be used to gross-up benefits, inpatient or other income for any marital combination and for any state including supplemental rates. PayBreeze includes complete replacement diskettes that are **mailed** several times a year as often as **changes** occur in state payroll taxing structures. The software also generates a custom report for an employee with W-4 questions by **calculating** every possible withholding permutation, both state and federal.

DESCRIPTORS: Payroll; Report Generators; Payroll Tax Tables

HARDWARE: IBM PC & Compatibles

OPERATING SYSTEM: Windows

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: All organizations with 100+ employees

DATE OF RELEASE: 9/85

PRICE: \$169 - \$359 initial fee; sold only by 12-month subscription - \$44 - \$94 per year

NUMBER OF INSTALLATIONS: 3700

DOCUMENTATION AVAILABLE: Online documentation

TRAINING AVAILABLE: Telephone support; technical support

SERVICES AVAILABLE: Reference database updates; updates

REVISION DATE: 000807

19/5/12

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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01012870 DOCUMENT TYPE: Product

PRODUCT NAME: Files (012870)

Dynacomp Inc (095443)

4560 E Lake Rd

Livonia, NY 14487 United States

TELEPHONE: (585) 346-9788

RECORD TYPE: Directory

CONTACT: Sales Department

The Files program features a database manager that can be used to create, edit, save, retrieve and perform data management operations on relational database files. Any database file can be treated as a spreadsheet. The user can define the formulae, relationships and equations in one file while the data used is located in another file. The user can edit either file, then recalculate the spreadsheet at any time with a single command. To permit complex or iterative programming, the user can automatically record and repeat any command sequence. The system enables users to create word processing files which they can insert, delete, revise, center, indent, move to or from a buffer, relocate, highlight for bold or underline printing, page up, page down, etc. Features such as word wrap, right justification, margin width, page length and spacing are supported. Data files and word processing files can be converted from one format to the other. The user can also treat lines of word processing documents as

spreadsheet entries. Standard financial **computations** such as present value, future value, annuity and depreciation are also supported. The user can automatically generate a **letter** quality report with headers and page numbers for either data files or word processing files. The data is always shown in a format based on the current settings of the format parameters. The user can view the data as records in rows or columns simply by **changing** the display mode. Data can be displayed in stacked or separated bar charts. Other modes permit normal, composite, percentage, composite percentage or log plots. The user can **compute** the regression line relating several columns of data using any of five standard equation types. Using the statistics menu, most of the standard statistical tests of hypotheses, analysts of variance and statistical distribution values can be performed. The user can determine a schedule of early start, late start, early finish and late finish dates along with float, given a task list with duration, beginning and ending node data for a critical path model. The user can edit BASIC or Assembly Language source code using a word processor.

DESCRIPTORS: Database Management; Office Suites; Word Processing;  
Spreadsheets; Business Graphics; Statistics; Project Management;  
Financial **Calculations** ; Page Composition

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: MS-DOS  
PROGRAM LANGUAGES: BASIC  
TYPE OF PRODUCT: Micro  
PRICE: \$69.95

DOCUMENTATION AVAILABLE: User manuals  
TRAINING AVAILABLE: Telephone support; technical support  
OTHER REQUIREMENTS: 256K RAM required  
REVISION DATE: 960910

19/5/13

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00138716 DOCUMENT TYPE: Review

PRODUCT NAMES: Data Quality (837377)

TITLE: Data Quality and the bottomline: The quality of data degenerates...  
AUTHOR: Eckerson, Wayne  
SOURCE: Application Development Trends, v9 n5 p24(5) May 2002  
ISSN: 1073-9564  
HOMEPAGE: <http://www.spgnet.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

**Dynamic** business conditions and the passage of time affect the quality of data adversely as companies break up into new units and data starts to have different significance to different business divisions. These are significant issues that need to be addressed effectively, because bad data quality can have an undesirable effect on the financial health of a business. The Data Warehousing Institute, for instance, estimates that bad quality customer data costs U.S. companies a huge \$61 billion each year in **postage** , printing, and staffing. However, even more egregious is the actual cost of poor data quality, which confuses and turns off loyal customers by improperly addressing **letters** or not recognizing them when they call, visit a store, or link to a Web site. Various examples of the problems and expenses caused by inaccurate or incomplete customer data are described, e.g. an insurance business that lost hundreds of thousands of dollars each year in mailing expenses due to duplicated customer information and a large bank, which determined that 62 percent of its home-equity loans were being **calculated** incorrectly. The various reasons

for poor quality data are described, including lack of validation routines; incorrect data; mismatched syntax, formats, and structures; unpredictable **changes** in source systems; a maze of interfaces; lack of referential integrity checks; bad system design; data conversion errors; fragmentation of definitions and rules; and slowly **changing** dimensions.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Graphs Charts  
DESCRIPTORS: Business Reengineering; Data Quality; Data Warehouses  
REVISION DATE: 20020830

19/5/14

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00123791 DOCUMENT TYPE: Review

PRODUCT NAMES: AppStream Server (003841)

TITLE: Software streams Internet apps  
AUTHOR: Cox, John  
SOURCE: Network World, v17 n19 p106(1) May 8, 2000  
ISSN: 0887-7661  
HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

AppStream's AppStream Server divides an application into parts and streams components over the Internet to PCs to enhance the performance of Internet applications, especially Java-based client software. AppStream Server's proprietary **algorithms** determine which components are required next by the end-user, then use a proprietary protocol to transport them. No components are installed on the PC's hard drive; they actually operate in the computer's memory. AppStream Server has some similarities to Altis, which is for Windows applications, but AppStream states that AppStream Server runs with applications written for any OS. AppStream also emphasizes that AppStream Server is especially appropriate for Java applications used inside a browser. Java allows programmers to add many interactive features to HTML pages, and AppStream Server can speed downloading. For instance, MochaMail chose AppStream Server to significantly reduce (from over a minute and a half to between 5 and 10 seconds) the time required to download and use the **mail** client. Other techniques for accelerating Internet applications to end-users can ask for more functions **on -the- fly**, but end-users must wait while the new code is downloaded. AppStream operates in the background to choose and transport the portions needed next by each user.

COMPANY NAME: AppStream Inc (681881)  
DESCRIPTORS: Application Servers; Distributed Processing; Internet Utilities; Intranets; Java; Program Development; System Performance  
REVISION DATE: 20000830

19/5/15

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00114413 DOCUMENT TYPE: Review

PRODUCT NAMES: KnowledgeSEEKER (576115)

TITLE: AI @Work: ANGOSS Software and Dunnings Diversified  
AUTHOR: Dunning, Jack  
SOURCE: PC AI, v13 n1 p37(2) Jan/Feb 1999  
ISSN: 0894-0711

Homepage: <http://www.pcai.com/pcai>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

According to one of its users, Dunning's Diversified, Angoss's KnowledgeSEEKER is a powerful solution for direct-mail houses that merges proprietary demographic, lifestyle, and business information with individual customer data to predict the best zip codes for targeted mailings. The advanced algorithms can include dollars-per-thousand pieces mailed information as the main customer data variable, with all results capable of being output to Microsoft's Excel spreadsheet program. By identifying, isolating, and removing poor-performing zip codes, users can increase response rates from 1.7 to 2.4 percent. Based on the sample project created for this article, the direct-mail house involved saved over \$220,000 on one targeted mailing, increasing per-thousand returns an astounding 77 percent.

COMPANY NAME: ANGOSS Software Corp .(585424)

SPECIAL FEATURE: Graphs

DESCRIPTORS: Artificial Intelligence; Demographics; Direct Marketing; Expert Systems; Market Research; Sales Analysis; ZIP Codes

REVISION DATE: 20010430

19/5/16

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00108366

DOCUMENT TYPE: Review

PRODUCT NAMES: PC Direct Select (700991); GoldMine (672068); MineSet (612847); Darwin (613932); AnswerTree (701009)

TITLE: Give Your Data A Workout

AUTHOR: Elliott, Christopher

SOURCE: InternetWeek, v717 p32(3) Jun 1, 1998

ISSN: 0746-8121

Homepage: <http://www.internetwk.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

A discussion of data mining highlights Direct Marketing Technology's PC Direct Select, GoldMine's GoldMine Standard Edition, and tools such as Silicon Graphics' MineSet, Thinking Machines' Darwin, and SPSS' AnswerTree. The World Wide Web is a good way to provide inexpensive access to data, but in order to fully realize the benefits of data mining, companies have to use the new knowledge obtained. For instance, a model can be built to demonstrate that men aged 40-50 are more likely to buy sports cars than any other group, but if the marketing organization cannot reach that segment with effective advertising, the knowledge gained is useless. Hickory Farms makes data mining a core function of its mail order business, for instance. PC Direct Select, a desktop tool, can sort through more than 5 million records in a data warehouse assisting the user in finding trends that can lead to customers who are likely to buy Hickory Farms' products. A jewelry retailer uses the GoldMine contact manager to glean sales leads from the Internet, but found that the company's Web site needed enhancement in order to generate leads. Data mining can be defined in three ways: drilling for trends in information with such tools as MineSet, Darwin, and AnswerTree; a process in which algorithms find patterns of which users are otherwise unaware; and a force that changes the ways in which management decisions are finalized.

COMPANY NAME: Direct Marketing Technology (644625); FrontRange Solutions Inc (504793); Silicon Graphics Inc (435201); Oracle Corp (010740);

SPSS Inc (016233)  
SPECIAL FEATURE: Charts Graphs  
DESCRIPTORS: Catalogs; Data Mining; Decision Support Systems; Demographics  
; Information Retrieval; Market Research; Marketing Information;  
Pattern Recognition; Retailers; Sales Analysis  
REVISION DATE: 20010630

19/5/17

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00080023 DOCUMENT TYPE: Review

PRODUCT NAMES: WordPerfect for DOS (002094)

TITLE: WordPerfect For DOS  
AUTHOR: Callas, Kendall  
SOURCE: PC Novice, v6 n7 p61(1) Jul 1995  
ISSN: 1052-1186

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Programming simple macros for WordPerfect for DOS can save users time, because macros quickly playback often-used keystrokes. Users can write macros to recreate a particular paragraph, format an envelope, or save a file. Some macros are shipped preconfigured with the program. They include Codes.wpm, which prints an entire document; Endfoot.wpm, which **changes** endnotes to footnotes; Footend.wpm, which sets paper size and type for printing labels; and Calc.spm, which displays a **calculator** for integer math. Macros can be named with words and started with the Macro key (ALT-F10) or named as an ALT key/ **letter** key combination, such as ALT-1. Steps are given for creating a macro that prints the current page of an open document.

COMPANY NAME: Corel Corp (421723)  
SPECIAL FEATURE: Tables  
DESCRIPTORS: IBM PC & Compatibles; MS-DOS; Page Composition; Word  
Processing; WordPerfect  
REVISION DATE: 19960430

19/5/18

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00073940 DOCUMENT TYPE: Review

PRODUCT NAMES: Quick Click Calc 1.1 (548448)

TITLE: Quick Click Calc V1.1  
AUTHOR: Staff  
SOURCE: II Alive, v2 n6 p12(2) Jan/Feb 1995

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

Quick Click Calc 1.1, for the Apple IIGS with 1.125MB random access memory (RAM), one 3.5-inch floppy drive, and System 6, is a user-friendly, full-functioned spreadsheet with a few features not found in other products. Quick Click Calc provides publish and subscribe, allowing users to design more than one spreadsheet for sharing with other users. With publish and subscribe, **changes** to a document automatically update in other publish-and-subscribe-enabled documents. This function is very useful, for example, for keeping investment information current when more

than one spreadsheet is used. Users can also link brief notes to particular spreadsheet cells; the user views the notes by selecting a cell and clicking Cell Note. Encryption is available, and teachers can use **letters** to **calculate** grades. Quick Click Calc 1.1 is recommended for all Apple IIGS users.

PRICE: \$60

COMPANY NAME: Byte Works Inc (377309)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Apple II; Financial **Calculations** ; Spreadsheets

REVISION DATE: 19990730

20/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01004162            DOCUMENT TYPE:   Product

**PRODUCT NAME:   MegaCryption (004162)**

Advanced Software Products Group Inc (ASPG) (483346)  
3185 Horseshoe Dr S  
Naples, FL 34104-6138   United States  
TELEPHONE:   (941) 649-1548

RECORD TYPE:   Directory

CONTACT:   Sales Department

MegaCryption provides an easy way to encrypt/decrypt any file in an MVS environment. This security solution provides ultimate protection during internal/external data transmission at a single or **multiple field level**. It also acts as an additional line of defense to current password security methods. If security measures are penetrated, MegaCryption encoded files cannot be accessed without the assigned unique **encryption key**. MegaCryption incorporates well-known **algorithms** such as DES, Triple DES, GNUPG, ENIGMA, CAST5, HMAC-SHA1 and Blowfish. The majority of corporations and governments worldwide have **adapted** one of these algorithms as the standard by which to protect their data through encryption. Together these algorithms take cryptography further than any traditional method of encryption for the MVS environment including protecting datasets with a data security package like RACF. MegaCryption is an easy-to-use tool that combines data security, data confidentiality and multiplatform and variable record length support.

DESCRIPTORS:   Encryption; File Security; File Transfer; Computer Security;  
                 Data Communications; Data Center Operations

HARDWARE:   IBM Mainframe; IBM 390  
OPERATING SYSTEM:   MVS; OS/390  
PROGRAM LANGUAGES:   Not Available  
TYPE OF PRODUCT:   Mainframe  
POTENTIAL USERS:   Cross Industry, Data Centers  
PRICE:   \$19,750 and up; 30-day demo available

DOCUMENTATION AVAILABLE:   User manuals  
TRAINING AVAILABLE:   Technical support  
REVISION DATE:   02010

22/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01684937 DOCUMENT TYPE: Product

**PRODUCT NAME: Drive Image Professional 2.0 (684937)**

PowerQuest Corp (588857)  
1359 N Research Way Bldg K PO Box 1911  
Orem, UT 84059-1911 United States  
TELEPHONE: (801) 437-8900

RECORD TYPE: Directory

CONTACT: Sales Department

Drive Image Professional 2.0 is a fast, flexible workstation cloning tool that allows users to quickly set up and configure multiple workstations over a network. Its features include: (1) SmartSector technology to dramatically speed up the process of creating and restoring images by copying only those sectors containing data; (2) image compression to compress images up to eight times faster than before; (3) Drive Image File Editor, lets users swap partitions from one image to another and selectively copy or delete partitions to create a new customized image; (4) comprehensive file system supports FAT, FAT32, NTFS and HPFS file systems; (5) SIDchanger utility to generate unique **security identifiers** (SID) when cloning NT workstations; (6) **resize on -the- fly** to automatically resize partitions to fit within a smaller or larger-sized drive; (7) selective partition restore to restore individual partitions without destroying the existing partitions on the hard drive; (8) command-line scripting to allow for a hands-free approach to automate the cloning process; (9) image file comments provides space for detailed comments about each image file; (10) selective file restore allows users to view and restore individual files within an image file; (11) SmartSector control lets users turn off SmartSector technology to copy all sectors; (12) multiple compression settings saves images as either a low or high compression image; (13) removable media spanning stores images across multiple Jaz, Zip or SyQuest disks or allows users to specify the image file size for their custom spanning needs; (14) MagicMover, an application mover to quickly and easily move applications from one partition to another; (15) DriveMapper utility to easily **update drive- letter** assignments that may have **changed** during the image restoration process; (16) enhanced user interface provides a graphical Windows look and feel with full mouse support; (17) wizard-driven interface provides interactive step-by-step guides to take the guesswork and hassle out of setting up and configuring new workstations; (18) enhanced support for removable media; (19) ImageShield provides password protection and encryption for an extra level of data protection and assurance; (20) Hide/unhide partitions give users the option of storing an exact backup of the existing operating system and application partitions on a second drive without causing drive-**letter** conflicts; and (21) disk integrity and bad sector checking provide the assurance that data integrity is safe by checking for bad sectors and file system errors before copying and restoring data.

DESCRIPTORS: Configuration Management; Storage Management; Network Administration; LANs; Network Software

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows NT/2000; Linux; UNIX  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Network Administrators, Cross Industry  
PRICE: \$695; demo disk available

SERVICES AVAILABLE: Warranty  
REVISION DATE: 990125



22/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00112062 DOCUMENT TYPE: Review

PRODUCT NAMES: Cyber-SIGN Enterprise (717045)

TITLE: CyberSign pens signature tech

AUTHOR: Johnston, Margaret

SOURCE: Federal Computer Week, v12 n30 p62(2) Aug 31, 1998

ISSN: 0893-052X

HOME PAGE: <http://www.fcw.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Cyber Sign has developed a biometric signature product for the U.S. Postal Service. The technology will speed up bulk mail delivery by making it possible for the USPS to authenticate and validate orders from mailers who sign their names on a digital pad, and send the captured data over a network. Signatures have an advantage over other biometric identification methods, because they are already accepted as a method of making a document legally binding. The CyberSign technology measures the pressure applied to a signature, and the duration of the signing process. The data is converted into algorithms, and combined with measurements to reveal the individual characteristics of a person's signature. The system takes the dynamic nature of a signature and creates data out of it. A template is created after a user signs his or her name three times. The template is then stored on a file server for easy access. The prototype is being designed in Java, and security is added by wrapping the signature data in encryption code before it is transmitted over the network. Biometric signatures can replace passwords and personal identification numbers, which can be forgotten or stolen, and it can also eliminate the need for smart cards, which can be lost or stolen.

COMPANY NAME: Cyber-SIGN Inc (650935)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Biometrics; Freight Handling; Government; Handwriting  
Recognition; Security

REVISION DATE: 20020630

22/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00078886 DOCUMENT TYPE: Review

PRODUCT NAMES: I'll Get-iT! (562793)

TITLE: I'll Get-iT Turns Your PC Into a Phone Answering Machine

AUTHOR: Brownstein, Mark

SOURCE: Computer Shopper, v15 n6 p204(1) Jun 1995

ISSN: 0886-0556

HOME PAGE: <http://www.computershopper.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: B

I'll Get-iT from Moon Valley Software provides industrial-strength answering services to small-business operations. This is a CD-ROM-based voice mail answering system for Windows 3.1. The package bundle includes an adapter to interface the voice line to the computer via modem (not included). The voice mail management software takes control of the modem,

answers the phone, and plays a WAV-based message to the caller. The caller's voice message is subsequently digitized and stored on the hard disk in WAV format. Multiple mailboxes are supported, and callers select the recipient of choice. The system also features remote message retrieval with **security codes** . Despite some limitations, I'll Get-iT is deemed a considerable improvement over traditional voice answering machines.

PRICE: \$100

COMPANY NAME: Moon Valley Software Inc (504661)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: IBM PC & Compatibles; Office Automation; Small Business;  
Telecommunications; Telephone Messages; Voice Mail; Windows

REVISION DATE: 20011030

23/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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02682811 DOCUMENT TYPE: Company

**Recognition Systems Inc (682811)**

1520 Dell Ave  
Campbell, CA 95008 United States  
TELEPHONE: (408) 364-6960  
FAX: (408) 364-3679  
HOMEPAGE: <http://www.recogsys.com>

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation  
STATUS: Active

Recognition Systems Incorporated builds biometric **security** and **identification** products. Founded in 1986, the company is part of Ingersoll-Rand. Its HandReaders, which read handprints, have been used in applications such as border crossing security stations and Olympic Village access control. Additionally, Recognition Systems offers a biometric time clock system and an access control system.

SALES: NA

DATE FOUNDED: 1986

IMMEDIATE PARENT: Ingersoll-Rand

PERSONNEL: Tilton, Lou, President; Telesco, Rick, Controller; Perry, Frank, Technical Director; Grabowski, Scott, Sales Manager

DESCRIPTORS: Biometrics; Building Security  
REVISION DATE: 20010530

23/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01692549 DOCUMENT TYPE: Product

**PRODUCT NAME: Adobe PageMaker 7.0.1 (692549)**

Adobe Systems Inc (394173)  
345 Park Ave  
San Jose, CA 95110-2704 United States  
TELEPHONE: (408) 536-6000

RECORD TYPE: Directory

CONTACT: Sales Department

Adobe System' Adobe (R) PageMaker (R) 7.0.1 is a page layout program that allow users to create professional-quality print, press, and electronic documents. Adobe PageMaker 7.0.1 now allows designers to merge text and graphics that have been stored in spreadsheets and databases. With the feature, users can create customized **letters**, mailing labels, catalogs, and direct mail content. Additionally, Adobe PageMaker supports the creation and viewing of Adobe Portable Document Format (PDF) files. The application can add **security** features and **tags** to files. Adobe PageMaker also can import PDF files created in Adobe Photoshop (R) 5.0 through 6.0 and in Adobe Illustrator (R) 9.0. Native Photoshop and Illustrator files can also be imported. Adobe PageMaker's converter utility lets designers open Quark XPress 3.3 through 4.1 files, and the application can also export text and graphics to Microsoft Office software. Adobe

PageMaker is available in Portuguese, Danish, Dutch, French, Finnish, German, Italian, Japanese, Norwegian, Spanish, and Swedish language editions.

DESCRIPTORS: Desktop Publishing; Foreign Language Packages; Graphics Tools  
; Page Composition

HARDWARE: Apple Macintosh; IBM PC & Compatibles; Pentium; PowerMac  
OPERATING SYSTEM: MacOS; MacOS X; PageMaker; Windows; Windows NT/2000  
PROGRAM LANGUAGES: PDF  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Desktop Publishing  
PRICE: \$499; upgrade pricing available

DOCUMENTATION AVAILABLE: Online documentation  
TRAINING AVAILABLE: Training; technical support  
OTHER REQUIREMENTS: 32MB--PC, 16MB--Mac RAM; Win 9x+ or System 8.6+  
required; PostScript 2+  
SERVICES AVAILABLE: User groups; book publishing  
REVISION DATE: 020625

23/5/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00133986 DOCUMENT TYPE: Review

PRODUCT NAMES: SecurePhone (068691)

TITLE: SecurePhone  
AUTHOR: Staff  
SOURCE: Internet Telephony, v4 n8 p44(3) Aug 2001  
ISSN: 1098-0008  
HOMEPAGE: <http://www.internettelephony.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

Information Security's SecurePhone, a program that implements 112-bit triple DES voice encryption, also uses public key cryptography authentication to recognize the identity of a called party. Rated very good overall, SecurePhone is also available in the free SecurePhone Lite version, which has fewer functions and 40-bit DES voice encryption. Testers found installation to be quick and easy, and did not have to reboot the PC. This is true even if the operating system used is Windows 98. On first opening the SecurePhone application on a specific PC, users have to move the mouse around for about 30 seconds to let the application find a good source of random numbers to generate **cryptographically** secure session **keys** for calls. This need only be done once for each person's installation. Documentation is available at Information Security's site and also as help files that are easily understood and fully context-sensitive. Among described features of SecurePhone and SecurePhone Lite are those for security, Internet voice calls or direct dialing, call logging, Do Not Disturb, and 15 speed dials. Additional features for SecurePhone are stronger security, encrypted voice **mail** with a MAPI client, full duplex rather than half duplex sound; and low- and high-bandwidth codecs, rather than simply a low- bandwidth codec.

COMPANY NAME: Information Security Corp (349437)  
SPECIAL FEATURE: Charts Screen Layouts  
DESCRIPTORS: Computer Telephony; Encryption; IBM PC & Compatibles;  
Internet Security; Voice **Mail** ; VoIP  
REVISION DATE: 20011230

23/5/4

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00133104 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Pretty Good Privacy (835072); IPsec (836796)

**TITLE:** Network Lockdown

**AUTHOR:** Rudich, Joe

**SOURCE:** ComputerUser, v19 n8 p36(3) Aug 2001

**ISSN:** 1087-481X

**HOME PAGE:** <http://www.computeruser.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

Pretty Good Privacy (PGP) and IPsec are highlighted in a discussion of tools and components required to build and enforce security best practices. For instance, firewalls filter data packets sent from the Internet to a private network, and are intended to block undesirable packets, including viruses and probes from hackers. However, firewalls cannot guarantee security by themselves, even though they have 'given the corporate world a false sense of security on the Internet,' says an expert. One-way isolation of private LANs at the TCP/IP level is very effective in preventing network attacks, and a firewall is a good security basis. The firewall, however, is likely to have holes if it is the only brick in the wall. A network firewall, in a manner similar to a train's firewall, has a simple foundation and is very effective for certain security requirements. However, flaming attacks can get around firewalls; the best firewalls can filter out many types of packets, including applications such as File Transfer Protocol (FTP) and Telnet, and limit browsing to one-way accessibility. To augment firewalls, companies can use encryption, demilitarized zones (DMZs), intrusion detection monitors, and vulnerability scanners. Topics covered include **cryptology** key cracking, symmetric and public key encryption, IPsec, and the system administrator's responsibility to read all security alerts, **mailing** lists, and newsgroups 'to find out what patches have been released and what effect they are having on other systems.'

**COMPANY NAME:** Vendor Independent (999999)

**DESCRIPTORS:** Communications Standards; Computer Security; Encryption;  
Firewalls; Internet Security; Privacy

**REVISION DATE:** 20011130

23/5/5

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00132890 DOCUMENT TYPE: Review

**PRODUCT NAMES:** MIMESweeper Domino 5 (604984)

**TITLE:** MIMESweeper Provides Sophisticated Protection for Domino R5 Networks

**AUTHOR:** Kern, Steve

**SOURCE:** Group Computing Magazine, v6 n5 p19(5) Jun 2001

**ISSN:** 1521-1282

**HOME PAGE:** <http://www.groupcomputing.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Review

**GRADE:** A

Baltimore Technologies' Content Security Group's MIMESweeper for Domino 5, a policy-based content security solution, provides full- functioned and useful multilayered protection against such threats as viruses, spam, mail

bombs, and unsuitable content. Sample policies are provided with installation files. MIMESweeper is a seasoned and tested products. However, policy configuration can be complicated and may take considerable time. During testing on Windows Me and Windows 2000, MIMESweeper for Domino R5 performed as expected without problems. Configuration databases provided are those of the R4.x releases, and they have not yet been migrated to R5. MIMESweeper for Domino R5 gets excellent marks overall and runs on Windows NT 4.0 SP5 or later with Lotus Domino 4.5.1 or higher, Domino 4.6 or higher, and Domino 5.0.2b or higher. MIMESweeper for Domino R5 does much more than check for viruses; it can bolster the integrity of the network and a business. Network integrity is protected via virus protection that is integrated with installed antivirus applications, **protects** against destructive **code**, and protects against network performance hits by managing attachment sizes and distribution. MIMESweeper for Domino R5 also blocks spam, chain **letter**, unsuitable content, offensive content, and unwanted filetypes. MIMESweeper for Domino R5 can break up complex attachments, such as policy-restricted macros or scripts in Word documents.

PRICE: \$2890

COMPANY NAME: Clearswift Corp (617121)  
SPECIAL FEATURE: Charts Screen Layouts  
DESCRIPTORS: Computer Security; Computer Viruses; File Security; Groupware  
; IBM PC & Compatibles; Network Administration; Network Software;  
Notes/Domino; Spamming; System Monitoring; Windows NT/2000  
REVISION DATE: 20020722

23/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00083198 DOCUMENT TYPE: Review

PRODUCT NAMES: Netscape Navigator (530883)

TITLE: Securing Internet communications and commerce  
AUTHOR: Chernicoff, David P  
SOURCE: PC Week, v12 n42 pN3(1) Oct 23, 1995  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Despite stories about security holes in Netscape Communications' Netscape Navigator World Wide Web browser, knowledgeable users understand that it is still not easy to break into a secured message. The export version of Navigator is required to have crippled encryption by federal law. The version used within the United States has a 128-bit **encryption key**, whereas the version used for export must use a 40-bit key. This makes the domestic version much more difficult to crack. The version available on the Internet is the crippled version, the domestic version must be purchased at a store or through the **mail**. A tremendous amount of force was required to break a 40-bit encrypted message, it could take hundreds of years to break a comparable message encrypted with a 128-bit key.

COMPANY NAME: Netscape Communications Corp (592625)  
DESCRIPTORS: Computer Security; Encryption; File Security; Internet  
Browsers; Internet Security; Netscape; User Interfaces  
REVISION DATE: 20010730

ile 77:Conference Papers Index 1973-2002/Jul  
      (c) 2002 Cambridge Sci Abs  
 File 35:Dissertation Abs Online 1861-2002/Aug  
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 File 65:Inside Conferences 1993-2002/Aug W4  
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 File 34:SciSearch(R) Cited Ref Sci 1990-2002/Aug W4  
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Set	Items	Description
S1	384287	POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E OR ELECT- RONIC OR VOICE)) OR USPS OR LETTER? ? OR FRANK?? OR FRANKING
S2	4434237	COMPUTE OR COMPUTED OR COMPUTATION? OR CALCULAT? OR ALGORI- THM? OR VALUAT?
S3	6586632	STAGE? OR LEVEL? ? OR STEP OR STEPS OR LAYER? OR TIER? OR - SEQUENTIAL? OR INCREMENT? OR MODULE? ?
S4	1034302	S3(3N)(MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLURAL? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR DOUBLE OR DUAL OR BINOMIAL? OR PAIR? OR TWIN?) OR HIERARCH?
S5	26566	(SEPARATE? OR DETACHED OR DIVIDED OR DISTINCT OR ISOLATED - OR REMOVED OR DISCRETE OR APART OR DISJOINED) (3N) (COMPUTER? ? OR PROCESSOR? OR MICROPROCESSOR? OR MICROCOMPUTER? OR PROGRAM? ? OR ROUTINE? ? OR APPLICATION?)
S6	8748	(SECURITY OR ENCRYPT? OR PROTECT? OR CIPHER OR CYPHER OR C- RYPTO?) (2W) (NUMBER? OR DIGIT? ? OR NUMERAL? OR IDENTIFICATION? OR IDENTIFIER? OR ID OR INDICATOR? OR LABEL? OR TAG? ? OR TA- GG? OR CODE? ? OR KEY OR KEYS) NOT SOCIAL()SECURITY
S7	4151253	CONSTANT? OR FIXED OR SET OR STATIC? OR CONSTANT OR STEADY OR STEADFAST? OR STABLE OR UNCHANG? OR UNWAVER?
S8	28872	(MANY OR MULTIPL? OR MULTI OR SEVERAL OR NUMEROUS? OR PLUR- AL? OR MYRIAD OR VARIOUS? OR VARIED OR DUAL? OR TWO OR 2 OR D- OUBLE OR DUAL OR BINOMIAL? OR PAIR? OR TWIN? OR 8 OR EIGHT) (1- W) (NUMBER? OR DIGIT? ? OR NUMERAL? OR BYTE?)
S9	7404541	UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR RE- VIS? OR EDIT OR EDITING OR ADAPT? OR TRANSFORM? OR ADJUST? OR EDITED OR DEBIT? OR TABULAT? OR RECONFIGUR? OR RECALCULAT? OR SUPERSED?
S10	3	S1 AND (S4 OR S5) AND (S2(5N)S6)
S11	1	RD (unique items)
S12	2	S1 AND (S6(5N)(S7 OR S8))
S13	4	S1 AND (S2(5N)S6) NOT (S10 OR S12)
S14	4	RD (unique items)
S15	13	S1 AND S6 AND S7 NOT (S10 OR S12 OR S14)
S16	11	RD (unique items)
S17	15545	(PRINT? OR PRODUCE OR PRODUCED OR REPRODUCE? OR PUBLISH OR PUBLISHED OR PUBLISHING) (2W)S3

S18	13764	(SECURITY OR ENCRYPT? OR PROTECT? OR CIPHER OR CYPHER OR C- RYPTO?)(2W)S3
S19	0	S1 AND S17 AND S18
S20	5604	S1 AND (S4 OR S5 OR S17 OR S18)
S21	139	S1 AND (((S4 OR S5)(10N)S6) OR S17 OR S18)
S22	123	S21 NOT (S10 OR S12 OR S14 OR S15) NOT PD>19990615
S23	107	RD (unique items)
S24	93	((S4 OR S5)(10N)S2) OR S17 OR S18) AND S1 NOT LETTER?
S25	88	S24 NOT (S10 OR S12 OR S14 OR S15) NOT PD>19990615
S26	75	RD (unique items)
S27	10	((S1 NOT LETTER?)(5N)S6)
S28	10	RD (unique items)
S29	0	((S1 NOT LETTER?)(10N)S6) AND S2
S30	1	(S1 NOT LETTER?) AND S6 AND S2



11/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6224958 INSPEC Abstract Number: B1999-05-6120D-044, C1999-05-1260C-032

Title: **An improvement of novel cryptographic key assignment scheme for dynamic access control in a hierarchy**

Author(s): Hwang, M.-S.

Author Affiliation: Dept. of Inf. Manage., Chao Yang Univ. of Technol., Wufeng, Taiwan

Journal: IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences vol.E82-A, no.3 p.548-50

Publisher: Inst. Electron. Inf. & Commun. Eng,

Publication Date: March 1999 Country of Publication: Japan

CODEN: IFSEEX ISSN: 0916-8508

SICI: 0916-8508(199903)E82A:3L.548:INCA;1-5

Material Identity Number: P710-1999-004

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: This **letter** presents a cryptographic key assignment scheme for dynamic access control in a **hierarchy**. A scheme for extending a previous **cryptographic key** assignment scheme to reduce the **computation** required for key generation and derivation algorithms is also proposed. (3 Refs)

Subfile: B C

Descriptors: authorisation; **hierarchical** systems; public key cryptography

Identifiers: cryptographic key assignment scheme; dynamic access control; **hierarchy**; computation requirement; key generation; derivation algorithms

Class Codes: B6120D (Cryptography); C1260C (Cryptography theory)

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12/5/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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02338489 INSPEC Abstract Number: C84050676

**Title: Computer piracy: assault on the data fortresses. Btx: help yourself shop for hackers?**

Author(s): Dreyer, R.

Journal: Funkschau no.13 p.67-70

Publication Date: 22 June 1984 Country of Publication: West Germany

CODEN: FUSHA2 ISSN: 0016-2841

Language: German Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: An account is presented of computer frauds, 'Rackers' and breakers, forming a growing mix of criminal 'byte bandits' in America-but Europe will surely follow. The author discusses the security of Btx (the German Prestel organisation), particularly of its home banking system, which is **protected** by 2 **code numbers**, PIN (Personal Identification Number) and TAN (Transaction Access Number); yet protected data banks of banks, **mailing** houses, government agencies, etc., have been 'entered'. Hacker clubs proliferate in the USA, there is one in London too. (0 Refs)

Subfile: C

Descriptors: encoding; security of data; viewdata

Identifiers: computer piracy; Bildschirmtext security; computer crime; Rackers; home banking system; protected data banks

Class Codes: C6130 (Data handling techniques); C7210 (Information services and centres)

12/5/2 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04128247 E.I. No: EIP95042651820

**Title: Weaknesses in some recent key agreement protocols**

Author: Nyberg, K.; Rueppel, R.A.

Corporate Source: Prinz Eugen-Strasse, Vienna, Austria

Source: Electronics Letters v 30 n 1 Jan 6 1994. p 26-27

Publication Year: 1994

CODEN: ELLEAK ISSN: 0013-5194

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9506W1

Abstract: B. Arazi recently proposed a way to integrate the DSS (digital signature standard) to the Diffie-Hellman key exchange system to obtain an authenticated key establishment mechanism for secret session keys. This **Letter** points out the following weakness in the Arazi system: if one key is compromised then the others will be disclosed as well. A similar weakness appears also in another recently presented key distribution system. (Author abstract) 7 Refs.

Descriptors: **Cryptography**; Information theory; **Codes** (symbols); Network protocols; **Set** theory; Security of data; Computation theory; Digital communication systems

Identifiers: Digital signature standard; Key exchange system; Key establishment mechanism; Secret session keys; Arazi system

Classification Codes:

716.1 (Information & Communication Theory); 723.2 (Data Processing); 722.3 (Data Communication, Equipment & Techniques); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory)

716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 722 (Computer Hardware); 921 (Applied Mathematics); 721 (Computer Circuits & Logic Elements)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

14/5/1 (Item 1 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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05818363 E.I. No: EIP01216510987

Title: **Cryptanalysis of a public-key cryptosystem based on generalized inverses of matrices**

Author: Sun, H.-M.

Corporate Source: Dept. of Comp. Sci. and Info. Eng. National Cheng Kung University, Tainan, Taiwan

Source: IEEE Communications Letters v 5 n 2 February 2001 2001. p 61-63

Publication Year: 2001

CODEN: ICLEF6 ISSN: 1089-7798

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 0105W4

Abstract: The theory of generalized inverses of matrices over finite fields has been proposed as a potential tool in cryptographic research for the past two years. Recently, Wu and Dawson proposed a public-key cryptosystem based on generalized inverses of matrices. In this **Letter**, we show that the Wu-Dawson public-key cryptosystem can be broken by representing the ciphertext as a linear combination of rows according to the public key. 5 Refs.

Descriptors: Public key **cryptography**; Matrix algebra; **Codes** (symbols); Error correction; **Algorithms**; Mathematical transformations

Identifiers: Public-key cryptosystem; Cryptanalysis; Generalized inverses  
Classification Codes:

723.2 (Data Processing); 921.1 (Algebra); 721.1 (Computer Theory (Includes Formal Logic, Automata Theory, Switching Theory & Programming Theory)); 921.3 (Mathematical Transformations)

723 (Computer Software, Data Handling & Applications); 921 (Applied Mathematics); 721 (Computer Circuits & Logic Elements)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

14/5/2 (Item 2 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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03599312 E.I. Monthly No: EI9305058314

Title: **Determination of the true value of the Euler totient function in the RSA cryptosystem from a set of possibilities.**

Author: Wu, C. -K.; Wang, X. -M.

Corporate Source: Xidian Univ, Xian, China

Source: Electronics Letters v 29 n 1 Jan 7 1993 p 84-85

Publication Year: 1993

CODEN: ELLEAK ISSN: 0013-5194

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical); A; (Applications)

Journal Announcement: 9305

Abstract: To attack the RSA cryptosystem, the value of the Euler totient function  $\phi(n)$  can be guessed (with a probabilistic algorithm) instead of factorising modulus  $n$ . The **Letter** proves that among the possible values of  $\phi(n)$ , only that satisfying  $2^{**}x \equiv 1 \pmod{n}$  is the true value, i.e.,  $x$  equals  $\phi(n)$ , under some reasonable assumptions. (Author abstract) 4 Refs.

Descriptors: **CRYPTOGRAPHY**; PROBABILITY; **ALGORITHMS**; **CODES (SYMBOLS)**; FUNCTION EVALUATION

Identifiers: EULER TOTIENT FUNCTION; RSA CRYPTOSYSTEM; PROBABILISTIC ALGORITHMS; PUBLIC KEY CRYPTOSYSTEM RSA

Classification Codes:

716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 922 (Statistical Methods)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

14/5/3 (Item 3 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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03407125 E.I. Monthly No: EI9204045175

Title: **Cryptanalysis of Okamoto cryptosystems with continued fraction algorithm.**

Author: Li, D. X.; Li, D. W.

Corporate Source: Xidian Univ, Xidian, China

Source: Electronics Letters v 27 n 22 Oct 24 1991 p 2014-2015

Publication Year: 1991

CODEN: ELLEAK ISSN: 0013-5194

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9204

Abstract: The Okamoto cryptosystems have drawn attention for their properties of fast encryption and decryption. A probabilistic attack based on the  $L^{*3}$  algorithm was proposed by Vallee et al. Other attacks have also been proposed. In the **letter**, a very simple and fast attack with continued fractions is given, which can completely break the Okamoto cryptosystems. (Author abstract) 7 Refs.

Descriptors: \*CRYPTOGRAPHY--Analysis; COMPUTER PROGRAMMING--Algorithms; MATHEMATICAL TECHNIQUES; INFORMATION THEORY

Identifiers: CONTINUED FRACTION **ALGORITHMS** ; OKAMOTO **CRYPTOSYSTEM** ; PUBLIC- **KEY** CRYPTOSYSTEM

Classification Codes:

723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment);

717 (Electro-Optical Communications); 718 (Telephone & Line Communications); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 92 (ENGINEERING MATHEMATICS)

14/5/4 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

03756306 Genuine Article#: QD068 Number of References: 15

Title: **SEVERAL PRACTICAL PROTOCOLS FOR AUTHENTICATION AND KEY EXCHANGE**

Author(s): LIM CH; LEE PJ

Corporate Source: POHANG UNIV SCI & TECHNOL, DEPT ELECT ENGN/POHANG

790784//SOUTH KOREA/; POHANG UNIV SCI & TECHNOL, DEPT ELECT ENGN/POHANG

790784//SOUTH KOREA/

Journal: INFORMATION PROCESSING LETTERS, 1995, V53, N2 (JAN 27), P91-96

ISSN: 0020-0190

Language: ENGLISH Document Type: ARTICLE

Geographic Location: SOUTH KOREA

Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology & Applied Sciences

Journal Subject Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Abstract: It is often desirable to achieve mutual authentication and secret key exchange in the same protocol. Two kinds of approaches may be considered for this purpose: authentication after key exchange using symmetric algorithms and Diffie-Hellman-type key exchange protocols, and key exchange after authentication by modifying 3-move identification schemes based on zero-knowledge technique. This **letter** presents several such protocols by each approach.

Descriptors--Author Keywords: **ALGORITHMS** ; **CRYPTOGRAPHY** ; AUTHENTICATION ; **KEY** EXCHANGE

Cited References:

BAUSPIESS F, 1990, P38, P EUROCRYPT 89

BENGIO S, 1991, V4, P175, J CRYPTOLOGY

BETH T, 1988, P77, P EUROCRYPT 88

BIRD R, 1992, P45, P CRYPTO 91

BRICKELL EF, 1992, V5, P29, J CRYPTOL

DESMEDT Y, 1988, P21, P CRYPTO 87

FIAT A, 1987, P186, P CRYPTO 86

GUILLOU LS, 1988, P123, P EUROCRYPT 88

LIM CH, 1993, V29, P1281, ELECTRON LETT  
LIM CH, 1992, P AUSCRYPT 92  
OHTA K, 1989, P232, P CRYPTO 88  
OKAMOTO T, 1991, P456, P CRYPTO 90  
OKAMOTO T, P CRYPTO 92  
OKAMOTO T, 1990, P134, P EUROCRYPT 89  
SCHNORR CP, 1991, V4, P161, J CRYPTOL

16/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01685011 ORDER NO: AAD99-16863

**PUBLIC KEY CRYPTOSYSTEMS: HISTORY AND DEVELOPMENT (ALGEBRA, NUMBER THEORY)**

Author: CHACKO, MATHEW VADAKKAN

Degree: PH.D.

Year: 1999

Corporate Source/Institution: COLUMBIA UNIVERSITY (0054)

Sponsor: BRUCE R. VOGELI

Source: VOLUME 60/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 85. 266 PAGES

Descriptors: EDUCATION, MATHEMATICS ; HISTORY, MODERN ; MATHEMATICS

Descriptor Codes: 0280; 0582; 0405

The purpose of this study is to prepare a comprehensive history and discussion of public key cryptosystems in a form that is accessible to the instructors of mathematics at the undergraduate level. To reach this goal a set of nine procedures were carried out.

The historical discussion begins with the description of fundamental concepts of cryptosystems followed by historically important classical cryptosystems. Classical cryptosystems made use of letters of alphabet and numerals for encryption and decryption.

The notion of cryptography based on mathematical rules is a relatively new concept. One of the pioneers in this regard is Lester Hill who developed a system of encryption and decryption based on algebra.

One of the major shortcomings of classical cryptography was key management. This was overcome by public key cryptography invented by Diffie and Hellman. Public key cryptography makes use of one-way functions for encryption and decryption. The encryption key can be made public because it is computationally infeasible to determine the decryption key from the encryption key.

Major public key cryptosystems including the RSA system, the Merkle-Hellman knapsack system, and elliptic curve public key cryptosystems are discussed and their impact on research on primality and factorization is highlighted.

One of the educational benefits of the study is a series of lesson plans on public key cryptosystems, for use in an abstract algebra or number theory course at the undergraduate level.

The work was evaluated by a panel of experts. They found the history to be reasonably comprehensive and the mathematics to be somewhat above the undergraduate level.

The evaluators felt that it would be difficult for many undergraduate teachers to use the material in this study to supplement their courses.

16/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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1059850 ORDER NO: AAD89-10485

**AESTHETIC REGULATION: A STUDY OF GOVERNMENTAL EFFORTS TO REGULATE THE PHYSICAL BEAUTY OF THE CITY (GEORGIA)**

Author: WOOD, GWEN YAWN

Degree: D.P.A.

Year: 1988

Corporate Source/Institution: UNIVERSITY OF GEORGIA (0077)

DIRECTOR: FRANK J. THOMPSON

Source: VOLUME 50/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 542. 301 PAGES

Descriptors: POLITICAL SCIENCE, PUBLIC ADMINISTRATION

Descriptor Codes: 0617

Aesthetic Regulation refers to the tool by which municipal government purposefully guides the future development and current use of urban land with an eye toward its potential impact on community appearance. This research develops a measure of policy strictness and level of enforcement

vigor and it analyzes variation among cities with regard to these dependent variables.

Ten indicators may be used to compare regulatory policies among cities: prohibition against front yard structures, anti-litter provisions, mandatory removal of unsightly debris, requirement of landscaped buffers, open storage screening, sign restrictions, architectural controls, parking lot screening, tree preservation and scenic vista **protection**. These **indicators** provided the basis for a content analysis of the municipal codes of thirty Georgia cities with populations of more than 15,000. Surveys were **mailed** to code enforcement officers, planning directors, and city attorneys in each of the cities. The questionnaire asked for data on enforcement records and it probed for attitudes and perceptions about the effectiveness of aesthetic controls.

Based upon scores and rankings developed from the content analysis and the survey, cities were grouped into a four-cell matrix with varying degrees of policy strictness and enforcement vigor. One city was selected from each matrix quadrant for a site investigation. The site visits consisted of interviews with the survey respondents and a drive-through visual evaluation of community appearance.

The study utilized three categories of independent variables to analyze variation. one grouping consisted of the respondents' attitudes and perceptions. Another was a **set** of community demographic characteristics. The third **set** of variables related to bureaucratic structure and procedures.

It was found that code enforcement personnel utilize bureaucratic discretion to place aesthetics as a priority somewhat less important than the regulation of property for health and safety purposes. The formal site plan review process was found to be a mitigating factor in reducing the number of citations issued. The field investigations revealed that exemptions for non-conforming uses, or grandfathering, were a hindrance to effective enforcement.

One can generally conclude that communities which are experiencing population growth, have a high per capita income, and a large volume of new housing construction are more likely to adopt and enforce aesthetic regulations.

16/5/3 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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1010864 ORDER NO: AADD--80339

**DECISION-MAKING IN A COLLEGE OF FURTHER EDUCATION: A PHENOMENOLOGICAL APPROACH (WALES)**

Author: JONES, JOHN LEIGHTON

Degree: D.PH

Year: 1985

Corporate Source/Institution: UNIVERSITY OF WALES (UNITED KINGDOM) (0699 )

Source: VOLUME 49/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 177. 437 PAGES

Descriptors: EDUCATION, ADMINISTRATION; EDUCATION, HIGHER

Descriptor Codes: 0514; 0745

Available from UMI in association with The British Library. Requires signed TDF.

This research programme is a detailed study of micro decision-making in a college of further education in Wales. On the question of format and presentation, the research is divided into two major sections: Part I deals mainly with theoretical and methodological issues; whereas Part II focuses upon the empirical dimensions of the programme.

The theoretical perspective underpinning the study is phenomenological in character, with micro decision-making viewed both as conflict and as a process. An attempt is made to articulate phenomenology as more than a marginal or peripheral interest in relation to the ongoing debate regarding the relevance of different sociological perspectives, and especially their applicability for research. This programme views conflict as an inevitable part of the applied nature of phenomenological analysis. Thus, as a direct

consequence of the theoretical stance, a conflict model is developed, and this provides a useful framework for understanding micro decision-making in the Welsh College.

Power, survival, **security**, group allegiances, **labelling**, identity stripping, etc. are all activities associated with the micro decision-making process. As a means of evaluating this type of social reality at the field study level, a tripartite methodology is used. First, some attention is given to the open-ended questionnaire, with the actors' views being analysed and codified according to the principles articulated in the research. Secondly, good use is made of participant observation, and a detailed ethnographic description ensues from this type of field work activity. Thirdly, in accordance with the principles developed by Plummer (1983) and others, good use is made of 'documents of life' and these include minutes and **letters**. Finally, this somewhat eclectic methodology is subjected to the process of triangulation, with the overall findings presented in terms of the mythology and demythology of decision-making.

Although the research is open-ended in character, there are specific areas of decision-making that are examined in detail, viz. the further education curriculum; appointments and promotion; democracy as reflected via the governing body and the academic board. In all of these broad areas of decision-making, conflict appears to be endemic within the role- **set**. (Abstract shortened by UMI.)

16/5/4 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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00394522  
NEW LOW PROFILE **SECURITY TAG**  
UK - NEW LOW PROFILE **SECURITY TAG**  
Hardware Trade Journal (HTJ) 11 July 1986 p20  
ISSN: 0017-7741

Knogo has introduced Electro Thread, a security wire costing 2p each which can be hidden behind price labels or bar codes. Tags do not need to be removed at the counter, but must be de- activated with a special electronic gadget. Selenco has introduced Microlabel, a **postage** stamp-size electric tag which will **set** off an alarm unless de-activated with a hand- held wand. The advantage of the new products is that they are not obvious to thieves.

PRODUCT: Labels (2641LA);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

16/5/5 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5167000 INSPEC Abstract Number: B9603-6250F-020

**Title: Service control in PSCS**  
Author(s): Niebert, N.; Geulen, E.; Lawniczak, D.  
Author Affiliation: Ericsson Eurolab Deutschland, Herzogenrath, Germany  
Journal: ITG-Fachberichte Conference Title: ITG-Fachber. (Germany)  
no.135 p.157-64  
Publisher: VDE-Verlag,  
Publication Date: 1995 Country of Publication: West Germany  
CODEN: ITGFEY ISSN: 0341-0196  
SICI: 0341-0196(1995)135L:157:SCP;1-J  
Material Identity Number: M523-95004  
Conference Title: Mobile Kommunikation (Mobile Communication)  
Conference Date: 26-28 Sept. 1995 Conference Location: Neu-Ulm, Germany  
Language: English Document Type: Conference Paper (PA); Journal Paper



(JP)

Treatment: Applications (A); Practical (P)

Abstract: The PCSC (Personal Service Communication Space) is a sophisticated system providing personal mobility as well as personalised services on or as an overlay on telecommunication networks such as GSM and ISDN. The personalisation of services is achieved by means of a database containing records per person and per subscription. The communication service and environment parameters of the user include subscription options, service configuration, **security keys** etc. and a major part of them determines the routing and service interworking for all kinds of incoming communication attempts. The latter information is combined in the RouteControl filters for which can easily be **set** up with the help of an advanced user interface. RouteControl enables the user to specify routing to a private **mail** -box for low-priority calls. In general the user can specify the routing of an incoming call depending on the B-number and the A-number, which are sorted by classes. Different priority classes as well as reachability conditions can also be used. Another parameter setting that can influence the call routing is 'time of day' and 'day of week'. After explaining the RouteControl facilities, the paper points to implementation options for PCS in existing networks. (8 Refs)

Subfile: B

Descriptors: cellular radio; control facilities; ISDN; personal communication networks; personal information systems; telecommunication control; telecommunication network routing; user interfaces

Identifiers: personal databases; PCSC; Personal Service Communication Space; personal mobility; GSM; ISDN; personalisation of services; routing; service interworking; user interface; private **mail** -box; priority classes; reachability conditions

Class Codes: B6250F (Mobile radio systems); B6210M (ISDN); B6150P (Communication network design and planning)

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16/5/6 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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4836643 INSPEC Abstract Number: B9501-6120B-026, C9501-6130S-018

**Title: A multiloop Vigenere cipher with exceptionally long component series**

Author(s): Corcoran, W.J.

Journal: Cryptologia vol.18, no.4 p.356-71

Publication Date: Oct. 1994 Country of Publication: USA

CODEN: CRYPE6 ISSN: 0161-1194

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: An algorithm is described for computer generation of a very long series E of numbers suitable for use in a polyalphabetic **cryptographic** system. Individual **numbers** in the series range from 0 to C-1, where C is the number of characters in a desired character **set** (e.g., C=128 for the ASCII characters 0-127; or C=26 for 26 **letters** of the alphabet). The enciphering series E is formed as in a multiloop Vigenere cipher system and the linear congruential generating function is used to generate component series ("loops") with exceptionally long periods, as long as  $10/\sup 12/$ . While Vigenere systems are usually considered to be vulnerable to cryptanalysis, it is proposed that the magnitude of the numbers available in the component series can make a multiloop system "computationally secure". Rates of series E generation, using widely available personal computers and software, appear reasonable. Examples given are based on Spectra Publishing's Power Basic, but similar implementations can be made in other versions of BASIC, or in other languages. (8 Refs)

Subfile: B C

Descriptors: codes; cryptography; random number generation

Identifiers: multiloop Vigenere cipher; exceptionally long component series; computer generation; polyalphabetic cryptographic system; character **set**; linear congruential generating function; component series; cryptanalysis; multiloop system; computationally secure; personal computers

; Spectra Publishing; Power Basic; BASIC  
Class Codes: B6120B (Codes); C6130S (Data security); C7310 (Mathematics computing)

16/5/7 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
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03372378 INSPEC Abstract Number: C89033413  
**Title: Auditing files on a network of Unix machines**  
Author(s): Bishop, M.A.  
Author Affiliation: Dept. of Math. & Comput. Sci., Dartmouth Coll., Hanover, NH, USA  
Conference Title: Proceedings. UNIX Security Workshop p.51-2  
Publisher: USENIX, Berkeley, CA, USA  
Publication Date: 1988 Country of Publication: USA 88 pp.  
Conference Sponsor: USENIX  
Conference Date: 29-30 Aug. 1988 Conference Location: Portland, OR, USA  
Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P)  
Abstract: The Numerical Aerodynamic Simulator project runs a variety of Unix based operating systems on its computers. Within this environment, much development is done on each machine, particularly by engineers who come from outside Ames. They are not always aware of the policies of computer security the NAS Project has set up. Worse, given the networks to which Ames is connected, an attacker who could subvert the network controls and break security could leave traces in the form of altering files in system areas (for example, to make gaining access to the system a second time easier). For these reasons, the author decided to establish a file tree auditing system. The audit system works as follows. It scans a file system, listing name, type, **protection** mode, **number** of (hard) links, user, group, and time of last modification. The results are saved in a file, and this file is then compared to a file with the same format but containing a snapshot of expected results. Any differences are **mailed** to the appropriate people; they must take action to determine what to do. (0 Refs)  
Subfile: C  
Descriptors: auditing; computer networks; file organisation; security of data; Unix  
Identifiers: computer networks; file organisation; Unix machines; Numerical Aerodynamic Simulator; Unix; Ames; computer security; network controls; file tree auditing  
Class Codes: C6120 (File organisation); C6150J (Operating systems); C5620 (Computer networks and techniques); C6130 (Data handling techniques)  
)

16/5/8 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04942450 E.I. No: EIP98024075132  
**Title: On block-coded modulation using unequal error protection codes over Rayleigh-fading channels**  
Author: Morelos-Zaragoza, Robert H.; Kasami, Tadao; Lin, Shu; Imai, Hideki  
Corporate Source: Univ of Tokyo, Tokyo, Jpn  
Source: IEEE Transactions on Communications v 46 n 1 Jan 1998. p 1-4  
Publication Year: 1998  
CODEN: IECMBT ISSN: 0090-6778  
Language: English  
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)  
Journal Announcement: 9804W3  
Abstract: This **letter** considers block-coded 8-phase-shift-keying (PSK) modulations for the unequal error protection (UEP) of information transmitted over Rayleigh-fading channels. Both conventional linear block

codes and linear UEP (LUEP) codes are combined with a naturally labeled 8-PSK signal **set**, using the multilevel construction of Imai and Hirakawa left bracket 1 right bracket. Computer simulation results are presented showing that, over Rayleigh-fading channels, it is possible to improve the coding gain for the most significant bits with the use of binary LUEP codes as constituent codes, in comparison with using conventional binary linear codes alone. (Author abstract) 11 Refs.

Descriptors: \*Phase shift keying; Block codes; Communication channels (information theory); Fading (radio); Computer simulation; Binary codes

Identifiers: Linear unequal error protection (LUEP)

Classification Codes:

723.1 (Computer Programming); 716.1 (Information & Communication Theory); 716.3 (Radio Systems & Equipment); 723.5 (Computer Applications); 723.2 (Data Processing)

716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

16/5/9 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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02764524 E.I. Monthly No: EI8907059864

Title: **Bounds on encryption using linear code ciphers.**

Author: Ancheta, T. C.

Corporate Source: IBM T J Watson Research Cent, Yorktown Heights, NY, USA

Conference Title: IEEE 1988 International Symposium on Information Theory

- Abstracts of papers

Conference Location: Kobe, Jpn Conference Date: 19880619

Sponsor: IEEE, Information Theory Group, New York, NY, USA; Inst of Electronics, Information & Communication Engineers of Japan, Jpn

E.I. Conference No.: 12027

Source: IEEE 1988 Int Symp on Inf Theory Abstr of Pap v 25 n 13. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (cat n 88CH2621-1) Piscataway, NJ, USA. p 210

Publication Year: 1988

Language: English

Document Type: PA; (Conference Paper) Treatment: T; (Theoretical)

Journal Announcement: 8907

Abstract: Summary form only given. When a memoryless source of entropy  $H$  is enciphered using cipher sequences from some linear  $(n, nR)$  code of rate  $R$ , the average distortion  $D$  for unauthorized decryption is shown to be lower bounded by the expression  $Rr(D/R)$  less than equivalent to  $H//m//a//x-H$ , where  $H//m//a//x$  equals  $\log//2$  vertical bar  $A//M$  vertical bar is the source entropy when the **letters** in its alphabet are equally likely. Using **cipher codes** where every  $nR$  positions form an information **set**,  $D$  is bounded by the tighter expression  $Rr(D)$  less than equivalent to  $H//m//a//x - H$ . Both bounds improve on Lu's bound  $r(D)$  less than equivalent to  $2H//m//a//x - RH - H$  for  $1 - H/H//m//a//x$  less than equivalent to  $R$  less than equivalent to 1 except at the boundaries, where they are equal.

Descriptors: **CRYPTOGRAPHY**; INFORMATION THEORY; **CODES**, SYMBOLIC-- Encoding

Identifiers: **ENCRYPTION BOUNDS**; **LINEAR CODE CIPHERS**; **UNAUTHORIZED DECRYPTION**; **MEMORYLESS ENTROPY SOURCE**; **ABSTRACT ONLY**

Classification Codes:

723 (Computer Software); 731 (Automatic Control Principles)

72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

16/5/10 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2162203 NTIS Accession Number: DE99637217/XAB

**SSAC software in Poland**

Kruk, K. R.

International Atomic Energy Agency, Vienna (Austria).

Corp. Source Codes: 888888888

Report No.: IAEA-SR-208/20

31 Dec 1999 3p

Languages: English Document Type: Conference proceeding

Journal Announcement: USGRDR0015; NSA0016

International seminar on year 2000 (Y2K): progress and cooperation.

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NTIS Prices: PC A01/MF A01

Country of Publication: United States

The presentation includes the following: 1. History of the SSAC System: (a) Manual work until 1986; (b) Use of Safeguards Report Editor - SSAC01, proposed by the IAEA in the first half of 1987; (c) The need for improved software initiates the state project: dbase SSAC application 1986-1988; (d) Official use of Dbase 3+ application written in the Central Laboratory for Radiological Protection begins in December 1988. Old Code 10 and **fixed** format. Possible option for labeled format 1990 tested, not used. 2. Present status - no change: (a) Operating system DOS/WIN; (b) The SSAC System is based on commercial software dbase 3+; (c) Only small upgrade for laser printer and 3.5 diskettes has been made to the above application; (d) Testing: not Y2K compliant. 3. Actions towards upgrade: (a) Answer to the IAEA **letter** of 19 May 1998 (6 digit format); (b) Consultation in SGIT in December 1998 and answer to the **letter** (22.12.1998) from director of SGIT; (c) Operating system Windows98/NT - Y2K compliant.

Descriptors: Iaea Safeguards; \*Poland; \*Meetings; \*Computer software; \*Radiation **protection** ; Computer **Codes** ; Domestic Safeguards; Forecasting ; Iaea Agreements; Inspection; Non-proliferation Treaty; Nuclear Materials Management; Physical Protection; Recommendations

Identifiers: EDB/055000; NTISDEE

Section Headings: 77GE (Nuclear Science and Technology--General); 57V (Medicine and Biology--Radiobiology)

16/5/11 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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0090709 NTIS Accession Number: AD-614 415/XAB

**Factors Affecting Coding Errors**

Owsowtiz, S. ; Sweetland, A.

Rand Corp Santa Monica Calif

Corp. Source Codes: 888888888

Report No.: RM-4346-PR

Apr 65 2p

Journal Announcement: USGRDR6511

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02

Contract No.: AF49 638 700

This Memorandum describes experiments which sought to identify the factors that contribute to coding errors. The experiments used code-stimulus materials: numeric codes, consisting only of numbers; alpha codes, consisting only of **letters** ; alpha-numeric codes of mixed **letters** and numbers; and mnemonic codes (natural abbreviations, such as 'OVH' for 'overheated'). Only three-character codes were used. Major findings were: (1) Coding errors are proportional to the alpha content. (2) Errors committed with mixed codes reveal a position effect. (3) Perceptual **set** can increase or reduce error rates. (4) There was evidence of interaction (in the statistical sense) among the first, second, and third variables. (5) Unless perceptual **set** is specifically controlled most errors in recording mixed codes consist of 'substitutions of opposites'. (6) Over half the erroneous substitutions appeared to be non-random. (7) Nonrandom substitutions tended to be unidirectional. (8) Most coding errors (75 to 95 per cent) result from having a single digit in error. (9) The use of

mnemonic codes did not reduce coding errors. (10) **Letter** -pattern familiarity affects coding errors. (11) Coding errors can be substantially reduced by providing keypunchers with a list of codes. (12) The amount of usable information that is retrievable from coded information depends on three factors: (a) the error rate; (b) the number of codes used; and (c) the number of codes possible with the format in question.

Descriptors: CODING; \*COMMUNICATION THEORY; \*ERRORS; **CRYPTOGRAPHY** ; **NUMBERS** ; TESTS; PERFORMANCE (HUMAN); PERCEPTION (PSYCHOLOGY); VISUAL PERCEPTION

Identifiers: SYMBOLS; CODE ALPHABET; KEY-PUNCHING; ALPHABET

16/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01685011 ORDER NO: AAD99-16863

**PUBLIC KEY CRYPTOSYSTEMS: HISTORY AND DEVELOPMENT (ALGEBRA, NUMBER THEORY)**

Author: CHACKO, MATHEW VADAKKAN

Degree: PH.D.

Year: 1999

Corporate Source/Institution: COLUMBIA UNIVERSITY (0054)

Sponsor: BRUCE R. VOGELI

Source: VOLUME 60/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 85. 266 PAGES

Descriptors: EDUCATION, MATHEMATICS ; HISTORY, MODERN ; MATHEMATICS

Descriptor Codes: 0280; 0582; 0405

The purpose of this study is to prepare a comprehensive history and discussion of public key cryptosystems in a form that is accessible to the instructors of mathematics at the undergraduate level. To reach this goal a set of nine procedures were carried out.

The historical discussion begins with the description of fundamental concepts of cryptosystems followed by historically important classical cryptosystems. Classical cryptosystems made use of letters of alphabet and numerals for encryption and decryption.

The notion of cryptography based on mathematical rules is a relatively new concept. One of the pioneers in this regard is Lester Hill who developed a system of encryption and decryption based on algebra.

One of the major shortcomings of classical cryptography was key management. This was overcome by public key cryptography invented by Diffie and Hellman. Public key cryptography makes use of one-way functions for encryption and decryption. The encryption key can be made public because it is computationally infeasible to determine the decryption key from the encryption key.

Major public key cryptosystems including the RSA system, the Merkle-Hellman knapsack system, and elliptic curve public key cryptosystems are discussed and their impact on research on primality and factorization is highlighted.

One of the educational benefits of the study is a series of lesson plans on public key cryptosystems, for use in an abstract algebra or number theory course at the undergraduate level.

The work was evaluated by a panel of experts. They found the history to be reasonably comprehensive and the mathematics to be somewhat above the undergraduate level.

The evaluators felt that it would be difficult for many undergraduate teachers to use the material in this study to supplement their courses.

16/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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1059850 ORDER NO: AAD89-10485

**AESTHETIC REGULATION: A STUDY OF GOVERNMENTAL EFFORTS TO REGULATE THE PHYSICAL BEAUTY OF THE CITY (GEORGIA)**

Author: WOOD, GWEN YAWN

Degree: D.P.A.

Year: 1988

Corporate Source/Institution: UNIVERSITY OF GEORGIA (0077)

DIRECTOR: FRANK J. THOMPSON

Source: VOLUME 50/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 542. 301 PAGES

Descriptors: POLITICAL SCIENCE, PUBLIC ADMINISTRATION

Descriptor Codes: 0617

Aesthetic Regulation refers to the tool by which municipal government purposefully guides the future development and current use of urban land with an eye toward its potential impact on community appearance. This research develops a measure of policy strictness and level of enforcement

vigor and it analyzes variation among cities with regard to these dependent variables.

Ten indicators may be used to compare regulatory policies among cities: prohibition against front yard structures, anti-litter provisions, mandatory removal of unsightly debris, requirement of landscaped buffers, open storage screening, sign restrictions, architectural controls, parking lot screening, tree preservation and scenic vista **protection**. These **indicators** provided the basis for a content analysis of the municipal codes of thirty Georgia cities with populations of more than 15,000. Surveys were **mailed** to code enforcement officers, planning directors, and city attorneys in each of the cities. The questionnaire asked for data on enforcement records and it probed for attitudes and perceptions about the effectiveness of aesthetic controls.

Based upon scores and rankings developed from the content analysis and the survey, cities were grouped into a four-cell matrix with varying degrees of policy strictness and enforcement vigor. One city was selected from each matrix quadrant for a site investigation. The site visits consisted of interviews with the survey respondents and a drive-through visual evaluation of community appearance.

The study utilized three categories of independent variables to analyze variation. one grouping consisted of the respondents' attitudes and perceptions. Another was a **set** of community demographic characteristics. The third **set** of variables related to bureaucratic structure and procedures.

It was found that code enforcement personnel utilize bureaucratic discretion to place aesthetics as a priority somewhat less important than the regulation of property for health and safety purposes. The formal site plan review process was found to be a mitigating factor in reducing the number of citations issued. The field investigations revealed that exemptions for non-conforming uses, or grandfathering, were a hindrance to effective enforcement.

One can generally conclude that communities which are experiencing population growth, have a high per capita income, and a large volume of new housing construction are more likely to adopt and enforce aesthetic regulations.

16/5/3 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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1010864 ORDER NO: AADD--80339  
**DECISION-MAKING IN A COLLEGE OF FURTHER EDUCATION: A PHENOMENOLOGICAL APPROACH (WALES)**  
Author: JONES, JOHN LEIGHTON  
Degree: D.PH  
Year: 1985  
Corporate Source/Institution: UNIVERSITY OF WALES (UNITED KINGDOM) (0699 )  
Source: VOLUME 49/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 177. 437 PAGES  
Descriptors: EDUCATION, ADMINISTRATION; EDUCATION, HIGHER  
Descriptor Codes: 0514; 0745

Available from UMI in association with The British Library. Requires signed TDF.

This research programme is a detailed study of micro decision-making in a college of further education in Wales. On the question of format and presentation, the research is divided into two major sections: Part I deals mainly with theoretical and methodological issues; whereas Part II focuses upon the empirical dimensions of the programme.

The theoretical perspective underpinning the study is phenomenological in character, with micro decision-making viewed both as conflict and as a process. An attempt is made to articulate phenomenology as more than a marginal or peripheral interest in relation to the ongoing debate regarding the relevance of different sociological perspectives, and especially their applicability for research. This programme views conflict as an inevitable part of the applied nature of phenomenological analysis. Thus, as a direct

consequence of the theoretical stance, a conflict model is developed, and this provides a useful framework for understanding micro decision-making in the Welsh College.

Power, survival, **security**, group allegiances, **labelling**, identity stripping, etc. are all activities associated with the micro decision-making process. As a means of evaluating this type of social reality at the field study level, a tripartite methodology is used. First, some attention is given to the open-ended questionnaire, with the actors' views being analysed and codified according to the principles articulated in the research. Secondly, good use is made of participant observation, and a detailed ethnographic description ensues from this type of field work activity. Thirdly, in accordance with the principles developed by Plummer (1983) and others, good use is made of 'documents of life' and these include minutes and **letters**. Finally, this somewhat eclectic methodology is subjected to the process of triangulation, with the overall findings presented in terms of the mythology and demythology of decision-making.

Although the research is open-ended in character, there are specific areas of decision-making that are examined in detail, viz. the further education curriculum; appointments and promotion; democracy as reflected via the governing body and the academic board. In all of these broad areas of decision-making, conflict appears to be endemic within the role- **set**. (Abstract shortened by UMI.)

16/5/4 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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00394522  
NEW LOW PROFILE **SECURITY TAG**  
UK - NEW LOW PROFILE **SECURITY TAG**  
Hardware Trade Journal (HTJ) 11 July 1986 p20  
ISSN: 0017-7741

Knogo has introduced Electro Thread, a security wire costing 2p each which can be hidden behind price labels or bar codes. Tags do not need to be removed at the counter, but must be de- activated with a special electronic gadget. Selenco has introduced Microlabel, a **postage** stamp-size electric tag which will **set** off an alarm unless de-activated with a hand- held wand. The advantage of the new products is that they are not obvious to thieves.

PRODUCT: Labels (2641LA);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

16/5/5 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5167000 INSPEC Abstract Number: B9603-6250F-020  
**Title: Service control in PSCS**  
Author(s): Niebert, N.; Geulen, E.; Lawniczak, D.  
Author Affiliation: Ericsson Eurolab Deutschland, Herzogenrath, Germany  
Journal: ITG-Fachberichte Conference Title: ITG-Fachber. (Germany)  
no.135 p.157-64  
Publisher: VDE-Verlag,  
Publication Date: 1995 Country of Publication: West Germany  
CODEN: ITGFEY ISSN: 0341-0196  
SICI: 0341-0196(1995)135L:157:SCP;1-J  
Material Identity Number: M523-95004  
Conference Title: Mobile Kommunikation (Mobile Communication)  
Conference Date: 26-28 Sept. 1995 Conference Location: Neu-Ulm, Germany  
Language: English Document Type: Conference Paper (PA); Journal Paper



(JP)

Treatment: Applications (A); Practical (P)

Abstract: The PCSC (Personal Service Communication Space) is a sophisticated system providing personal mobility as well as personalised services on or as an overlay on telecommunication networks such as GSM and ISDN. The personalisation of services is achieved by means of a database containing records per person and per subscription. The communication service and environment parameters of the user include subscription options, service configuration, **security keys** etc. and a major part of them determines the routing and service interworking for all kinds of incoming communication attempts. The latter information is combined in the RouteControl filters for which can easily be **set** up with the help of an advanced user interface. RouteControl enables the user to specify routing to a private **mail** -box for low-priority calls. In general the user can specify the routing of an incoming call depending on the B-number and the A-number, which are sorted by classes. Different priority classes as well as reachability conditions can also be used. Another parameter setting that can influence the call routing is 'time of day' and 'day of week'. After explaining the RouteControl facilities, the paper points to implementation options for PCS in existing networks. (8 Refs)

Subfile: B

Descriptors: cellular radio; control facilities; ISDN; personal communication networks; personal information systems; telecommunication control; telecommunication network routing; user interfaces

Identifiers: personal databases; PCSC; Personal Service Communication Space; personal mobility; GSM; ISDN; personalisation of services; routing; service interworking; user interface; private **mail** -box; priority classes; reachability conditions

Class Codes: B6250F (Mobile radio systems); B6210M (ISDN); B6150P (Communication network design and planning)

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16/5/6 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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4836643 INSPEC Abstract Number: B9501-6120B-026, C9501-6130S-018

**Title: A multiloop Vigenere cipher with exceptionally long component series**

Author(s): Corcoran, W.J.

Journal: Cryptologia vol.18, no.4 p.356-71

Publication Date: Oct. 1994 Country of Publication: USA

CODEN: CRYPE6 ISSN: 0161-1194

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: An algorithm is described for computer generation of a very long series E of numbers suitable for use in a polyalphabetic **cryptographic** system. Individual **numbers** in the series range from 0 to C-1, where C is the number of characters in a desired character **set** (e.g., C=128 for the ASCII characters 0-127; or C=26 for 26 **letters** of the alphabet). The enciphering series E is formed as in a multiloop Vigenere cipher system and the linear congruential generating function is used to generate component series ("loops") with exceptionally long periods, as long as  $10/\sup 12/$ . While Vigenere systems are usually considered to be vulnerable to cryptanalysis, it is proposed that the magnitude of the numbers available in the component series can make a multiloop system "computationally secure". Rates of series E generation, using widely available personal computers and software, appear reasonable. Examples given are based on Spectra Publishing's Power Basic, but similar implementations can be made in other versions of BASIC, or in other languages. (8 Refs)

Subfile: B C

Descriptors: codes; cryptography; random number generation

Identifiers: multiloop Vigenere cipher; exceptionally long component series; computer generation; polyalphabetic cryptographic system; character **set** ; linear congruential generating function; component series; cryptanalysis; multiloop system; computationally secure; personal computers

; Spectra Publishing; Power Basic; BASIC  
Class Codes: B6120B (Codes); C6130S (Data security); C7310 (Mathematics computing)

16/5/7 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
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03372378 INSPEC Abstract Number: C89033413

**Title: Auditing files on a network of Unix machines**  
Author(s): Bishop, M.A.  
Author Affiliation: Dept. of Math. & Comput. Sci., Dartmouth Coll., Hanover, NH, USA  
Conference Title: Proceedings. UNIX Security Workshop p.51-2  
Publisher: USENIX, Berkeley, CA, USA  
Publication Date: 1988 Country of Publication: USA 88 pp.  
Conference Sponsor: USENIX  
Conference Date: 29-30 Aug. 1988 Conference Location: Portland, OR, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The Numerical Aerodynamic Simulator project runs a variety of Unix based operating systems on its computers. Within this environment, much development is done on each machine, particularly by engineers who come from outside Ames. They are not always aware of the policies of computer security the NAS Project has set up. Worse, given the networks to which Ames is connected, an attacker who could subvert the network controls and break security could leave traces in the form of altering files in system areas (for example, to make gaining access to the system a second time easier). For these reasons, the author decided to establish a file tree auditing system. The audit system works as follows. It scans a file system, listing name, type, **protection** mode, **number** of (hard) links, user, group, and time of last modification. The results are saved in a file, and this file is then compared to a file with the same format but containing a snapshot of expected results. Any differences are **mailed** to the appropriate people; they must take action to determine what to do. (0 Refs)

Subfile: C

Descriptors: auditing; computer networks; file organisation; security of data; Unix

Identifiers: computer networks; file organisation; Unix machines; Numerical Aerodynamic Simulator; Unix; Ames; computer security; network controls; file tree auditing

Class Codes: C6120 (File organisation); C6150J (Operating systems); C5620 (Computer networks and techniques); C6130 (Data handling techniques)

16/5/8 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04942450 E.I. No: EIP98024075132

**Title: On block-coded modulation using unequal error protection codes over Rayleigh-fading channels**

Author: Morelos-Zaragoza, Robert H.; Kasami, Tadao; Lin, Shu; Imai, Hideki

Corporate Source: Univ of Tokyo, Tokyo, Jpn

Source: IEEE Transactions on Communications v 46 n 1 Jan 1998. p 1-4

Publication Year: 1998

CODEN: IECMBT ISSN: 0090-6778

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9804W3

Abstract: This **letter** considers block-coded 8-phase-shift-keying (PSK) modulations for the unequal error protection (UEP) of information transmitted over Rayleigh-fading channels. Both conventional linear block

codes and linear UEP (LUEP) codes are combined with a naturally labeled 8-PSK signal **set**, using the multilevel construction of Imai and Hirakawa left bracket 1 right bracket. Computer simulation results are presented showing that, over Rayleigh-fading channels, it is possible to improve the coding gain for the most significant bits with the use of binary LUEP codes as constituent codes, in comparison with using conventional binary linear codes alone. (Author abstract) 11 Refs.

Descriptors: \*Phase shift keying; Block codes; Communication channels (information theory); Fading (radio); Computer simulation; Binary codes

Identifiers: Linear unequal error protection (LUEP)

Classification Codes:

723.1 (Computer Programming); 716.1 (Information & Communication Theory); 716.3 (Radio Systems & Equipment); 723.5 (Computer Applications); 723.2 (Data Processing)

716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

16/5/9 (Item 2 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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02764524 E.I. Monthly No: EI8907059864

Title: **Bounds on encryption using linear code ciphers.**

Author: Ancheta, T. C.

Corporate Source: IBM T J Watson Research Cent, Yorktown Heights, NY, USA

Conference Title: IEEE 1988 International Symposium on Information Theory

- Abstracts of papers

Conference Location: Kobe, Jpn Conference Date: 19880619

Sponsor: IEEE, Information Theory Group, New York, NY, USA; Inst of Electronics, Information & Communication Engineers of Japan, Jpn

E.I. Conference No.: 12027

Source: IEEE 1988 Int Symp on Inf Theory Abstr of Pap v 25 n 13. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (cat n 88CH2621-1) Piscataway, NJ, USA. p 210

Publication Year: 1988

Language: English

Document Type: PA; (Conference Paper) Treatment: T; (Theoretical)

Journal Announcement: 8907

Abstract: Summary form only given. When a memoryless source of entropy  $H$  is enciphered using cipher sequences from some linear  $(n, nR)$  code of rate  $R$ , the average distortion  $D$  for unauthorized decryption is shown to be lower bounded by the expression  $Rr(D/R)$  less than equivalent to  $H//m//a//x-H$ , where  $H//m//a//x$  equals  $\log//2$  vertical bar  $A//M$  vertical bar is the source entropy when the **letters** in its alphabet are equally likely. Using **cipher codes** where every  $nR$  positions form an information **set**,  $D$  is bounded by the tighter expression  $Rr(D)$  less than equivalent to  $H//m//a//x -H$ . Both bounds improve on Lu's bound  $r(D$  less than equivalent to  $2H//m//a//x - RH - H$  for  $1 - H/H//m//a//x$  less than equivalent to  $R$  less than equivalent to 1 except at the boundaries, where they are equal.

Descriptors: **CRYPTOGRAPHY**; INFORMATION THEORY; **CODES**, SYMBOLIC-- Encoding

Identifiers: **ENCRYPTION BOUNDS**; **LINEAR CODE CIPHERS**; **UNAUTHORIZED DECRYPTION**; **MEMORYLESS ENTROPY SOURCE**; **ABSTRACT ONLY**

Classification Codes:

723 (Computer Software); 731 (Automatic Control Principles)

72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

16/5/10 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2162203 NTIS Accession Number: DE99637217/XAB

**SSAC software in Poland**

Kruk, K. R.

International Atomic Energy Agency, Vienna (Austria).

Corp. Source Codes: 888888888

Report No.: IAEA-SR-208/20

31 Dec 1999 3p

Languages: English Document Type: Conference proceeding

Journal Announcement: USGRDR0015; NSA0016

International seminar on year 2000 (Y2K): progress and cooperation.

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NTIS Prices: PC A01/MF A01

Country of Publication: United States

The presentation includes the following: 1. History of the SSAC System: (a) Manual work until 1986; (b) Use of Safeguards Report Editor - SSAC01, proposed by the IAEA in the first half of 1987; (c) The need for improved software initiates the state project: dbase SSAC application 1986-1988; (d) Official use of Dbase 3+ application written in the Central Laboratory for Radiological Protection begins in December 1988. Old Code 10 and **fixed** format. Possible option for labeled format 1990 tested, not used. 2. Present status - no change: (a) Operating system DOS/WIN; (b) The SSAC System is based on commercial software dbase 3+; (c) Only small upgrade for laser printer and 3.5 diskettes has been made to the above application; (d) Testing: not Y2K compliant. 3. Actions towards upgrade: (a) Answer to the IAEA **letter** of 19 May 1998 (6 digit format); (b) Consultation in SGIT in December 1998 and answer to the **letter** (22.12.1998) from director of SGIT; (c) Operating system Windows98/NT - Y2K compliant.

Descriptors: Iaea Safeguards; \*Poland; \*Meetings; \*Computer software; \*Radiation **protection**; Computer **Codes**; Domestic Safeguards; Forecasting; Iaea Agreements; Inspection; Non-proliferation Treaty; Nuclear Materials Management; Physical Protection; Recommendations

Identifiers: EDB/055000; NTISDEE

Section Headings: 77GE (Nuclear Science and Technology--General); 57V (Medicine and Biology--Radiobiology)

16/5/11 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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0090709 NTIS Accession Number: AD-614 415/XAB

**Factors Affecting Coding Errors**

Owsowtiz, S. ; Sweetland, A.

Rand Corp Santa Monica Calif

Corp. Source Codes: 888888888

Report No.: RM-4346-PR

Apr 65 2p

Journal Announcement: USGRDR6511

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02

Contract No.: AF49 638 700

This Memorandum describes experiments which sought to identify the factors that contribute to coding errors. The experiments used code-stimulus materials: numeric codes, consisting only of numbers; alpha codes, consisting only of **letters**; alpha-numeric codes of mixed **letters** and numbers; and mnemonic codes (natural abbreviations, such as 'OVH' for 'overheated'). Only three-character codes were used. Major findings were: (1) Coding errors are proportional to the alpha content. (2) Errors committed with mixed codes reveal a position effect. (3) Perceptual **set** can increase or reduce error rates. (4) There was evidence of interaction (in the statistical sense) among the first, second, and third variables. (5) Unless perceptual **set** is specifically controlled most errors in recording mixed codes consist of 'substitutions of opposites'. (6) Over half the erroneous substitutions appeared to be non-random. (7) Nonrandom substitutions tended to be unidirectional. (8) Most coding errors (75 to 95 per cent) result from having a single digit in error. (9) The use of

mnemonic codes did not reduce coding errors. (10) **Letter** -pattern familiarity affects coding errors. (11) Coding errors can be substantially reduced by providing keypunchers with a list of codes. (12) The amount of usable information that is retrievable from coded information depends on three factors: (a) the error rate; (b) the number of codes used; and (c) the number of codes possible with the format in question.

Descriptors: CODING; \*COMMUNICATION THEORY; \*ERRORS; **CRYPTOGRAPHY** ; **NUMBERS** ; TESTS; PERFORMANCE (HUMAN); PERCEPTION (PSYCHOLOGY); VISUAL PERCEPTION

Identifiers: SYMBOLS; CODE ALPHABET; KEY-PUNCHING; ALPHABET

26/3,K/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01755380 ORDER NO: AADAA-INQ51668

**A comparison of economic valuation methods for environmental health risk reduction: Assessing residential radon mitigation in Manitoba**

Author: Spiegel, Jerry Malcolm

Degree: Ph.D.

Year: 2000

Corporate Source/Institution: The University of Manitoba (Canada) (0303)

Source: VOLUME 61/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3544. 369 PAGES

ISBN: 0-612-51668-7

...health hazards, including radon. The 507 respondents were then re-surveyed by a contingent valuation mail questionnaire to ascertain their willing to pay to reduce radon exposure.

*Results*. Logistic...

...investigation offers an excellent way to cost-effectively examine how individuals respond to risk. A **protective stage** model of the steps that can be taken to reduce risk provides an excellent tool...

26/3,K/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01565120 ORDER NO: AAD97-24079

**A SOCIOMETRIC ANALYSIS OF THE INFORMAL NETWORKING PATTERNS OF IOWA'S PUBLIC SCHOOL SUPERINTENDENTS**

Author: HOOVER, THOMAS MICHAEL

Degree: ED.D.

Year: 1996

Corporate Source/Institution: UNIVERSITY OF NORTHERN IOWA (0743)

Source: VOLUME 58/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 351. 192 PAGES

...opportunities.

The collection of data was made possible by means of a self-reporting survey mailed to all public school superintendents in Iowa. The survey reflected the standard approach taken by...

...as admired colleagues, as effective leaders, and as direct sources of information or support.

A **multi - step** analysis of the data, highlighted by the **computation** of numerous connectedness ratios, was undertaken to determine the extent to which the informal communication...

26/3,K/3 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01440545 ORDER NO: AADAA-I9535424

**LENGTH-HISTORY DEPENDENCE OF MYOCARDIAL CONTRACTION (ACTIVE STRESS)**

Author: BLUHM, WOLFGANG FRIEDRICH

Degree: PH.D.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, SAN DIEGO (0033)

Source: VOLUME 56/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3313. 203 PAGES

The **Frank -Starling** mechanism describes the length-dependence of cardiac force development. In addition, myocardial contraction is...

...used to study individual sarcolemmal ion fluxes as potential mechanisms

of SCS. SCS could be **reproduced** by **step** changes in the parameters of sarcolemmal sodium fluxes, but not by changes in calcium or...

26/3,K/4 (Item 4 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01395771 ORDER NO: AAD95-04983  
**EFFICIENT ALGORITHMS FOR A REALISTIC MACHINE-INDEPENDENT MODEL OF PARALLEL MACHINES**

Author: SAHAY, ABHIJIT  
Degree: PH.D.  
Year: 1994  
Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)  
Source: VOLUME 55/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3985. 131 PAGES

...also study the multiple-item broadcast problem and the continuous broadcast problem in the simpler **postal** model. We show that optimal solutions to the latter imply near-optimal solutions to the...

...represents a general (and efficient) simulation of a butterfly network under LogP.

Finally, we study **algorithms** for matrix-based **computations**. We adapt well-known **sequential algorithms** for matrix **multiplication** and LU decomposition to the LogP model. Analysis of these **algorithms** in the LogP framework establishes their efficiency for large instances. Our algorithms show how LogP...

26/3,K/5 (Item 5 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01363844 ORDER NO: AADNN-86377  
**AN ASSESSMENT OF USING TECHNOLOGY AND LEARNING CONTRACTS WITH ADULT LEARNERS IN DISTANCE EDUCATION**

Author: MCKINNON, NORMAN CECIL  
Degree: ED.D.  
Year: 1993  
Corporate Source/Institution: UNIVERSITY OF TORONTO (CANADA) (0779)  
Source: VOLUME 55/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 447. 254 PAGES  
ISBN: 0-315-86377-3

...with the teacher at the beginning of the course to negotiate a learning contract. The **postal** system was used to exchange all written material and computer printouts between teacher and student...

...communication has the potential to increase the teacher's response time, improve completion rates and **produce** a high **level** of student satisfaction.

26/3,K/6 (Item 6 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01359084 ORDER NO: AAD94-14324  
**THE USE OF THE JUST-IN-TIME PRODUCTION PHILOSOPHY IN MEXICO: AN EMPIRICAL STUDY**

Author: LAWRENCE, JOHN JOSEPH  
Degree: PH.D.  
Year: 1993  
Corporate Source/Institution: THE PENNSYLVANIA STATE UNIVERSITY (0176)  
Source: VOLUME 55/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4728. 357 PAGES

...Mexico affect its ability to use and achieve the benefits of JIT?  
A large sample **mail** survey was used to address the first question.  
Multi-item scales were used to measure...

...significant positive relationship was found between JIT and performance among the plants responding to the **mail** survey. A plant's size, its industry, the type of manufacturing process it uses, and...

...is the only obstacle to JIT that cannot be easily overcome. Most Mexican suppliers cannot **produce** at quality **levels** suitable for JIT deliveries, and only large plants or subsidiaries of large companies appear capable...

26/3,K/7 (Item 7 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01298088 ORDER NO: AAD93-20995  
**PROFESSIONALISM, WORKING CONDITIONS, AND ACCOUNTABILITY: TEACHERS IN NEW YORK STATE URBAN HIGH SCHOOLS (URBAN SCHOOLS)**  
Author: MELVILLE, PAULA  
Degree: ED.D.  
Year: 1993  
Corporate Source/Institution: COLUMBIA UNIVERSITY TEACHERS COLLEGE (0055)  
Source: VOLUME 54/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 760. 168 PAGES

...as a post-hoc experimental group, the original assumption was that more professional working conditions **produce** higher **levels** of teacher intrinsic accountability. This expectation was not met. Respondents came from the four largest...

...Buffalo, Rochester, Syracuse, and Yonkers.  
The survey instrument, consisting of 59 Likert-type questions, was **mailed** to a random sample of 599 teachers. Response rate was 73% after two mailings.  
Data...

26/3,K/8 (Item 8 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01150185 ORDER NO: AAD91-10363  
**STRATFORD STALWART: THE LIFE AND CAREER OF BRITISH STAGE AND CINEMA ACTOR RANDLE AYRTON (1869-1940) (SHAKESPEARAN ACTOR)**  
Author: TOCCI, MARGARET MARIE  
Degree: PH.D.  
Year: 1990  
Corporate Source/Institution: UNIVERSITY OF MARYLAND (0117)  
Source: VOLUME 51/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3564. 440 PAGES

...Shakespeare Memorial Theatre at Stratford-upon-Avon. He appeared there under the direction of Sir **Frank** Benson, William Bridges-Adams, Ben Iden Payne, Theodore Komisarjevsky, and others, playing, among other roles ...

...character actor, Ayrton was a theatrical jack-of-all-trades. He wrote plays, directed, designed, **produced**, **stage** managed, and tutored actors. He served as the first stage director for the Shakespeare Memorial...

26/3,K/9 (Item 9 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.



01149775 ORDER NO: AAD91-09074

**VALIDATION OF "HIGHER EDUCATION ECONOMIC DEVELOPMENT SURVEY" INSTRUMENT  
WITH STATE UNIVERSITY AND LAND GRANT INSTITUTION RESEARCH ADMINISTRATORS**

Author: HETHCOX, JAMES HENLEY

Degree: ED.D.

Year: 1990

Corporate Source/Institution: AUBURN UNIVERSITY (0012)

Source: VOLUME 51/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3713. 239 PAGES

...consisted of 56 items concerning presently occurring and normative economic development activities. Of 420 surveys **mailed** in the summer of 1989, 264 were returned and 244 were analyzed. The 64% rate...

...and (5) New Business Development. Each factor confirmed an underlying dimension theoretically included during developmental **stages** of HEEDS.

**Multiple** analyses of variance were **computed** to determine if significant differences existed. At the .05 level of significance, position, undergraduate major...

26/3,K/10 (Item 10 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2002 ProQuest Info&Learning. All rts. reserv.

1077873 ORDER NO: AAD89-22147

**PERCEIVED VALUE OF CERTIFICATION AMONG MANAGERS OF ROOMS DIVISION PERSONNEL  
IN COMPANY-OWNED PROPERTIES OF LARGE LODGING CHAINS**

Author: WRIGHT, PHILLIP CHARLES

Degree: PH.D.

Year: 1989

Corporate Source/Institution: THE PENNSYLVANIA STATE UNIVERSITY (0176)

Source: VOLUME 50/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1908. 259 PAGES

...interviews with the senior human resources managers in ten large lodging chains were coupled with **mailed** questionnaires received from 85 property-level managers to **produce** a dual- **level** data base.

Using monetary allocation and ranking scores as measures of value, a major finding...

28/5/1 (Item 1 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

06540373  
USPS stamps E-mail service  
US: POSTAL SERVICE DEVELOP E-MAIL ENCRYPTION CODE  
Precision Marketing (ZCZ) 20 Oct 1997 p.5  
Language: ENGLISH

The United States Postal Service is developing an electronic postmark for E-mail. The software allows users to encrypt messages, stamp them with time and date and get an authentication code. The recipient will be able to check whether the E-mail has been intercepted or corrupted in transit. Eventually USPS will offer services equivalent to registered post with different levels of delivery.

COMPANY: UNITED STATES POSTAL SERVICE

EVENT: Product Design & Development (33);  
COUNTRY: United States (1USA);

28/5/2 (Item 2 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

06522238  
BETALA RAKNINGARNA VIA DIN NALLE  
SWEDEN: PAYING BILLS VIA MOBILE PHONE  
SkVnska Dagbladet (XUS) 12 Sep 1997 p.07  
Language: SWEDISH

As from September until the end of the year 60 persons will be included in a project which uses the mobile phone Alcatel One Tough PRO for the payment of postal giro bills. Encryption and pin code will make the system safe. Jan-Erik Iversen of Telia Telecom says that even Ericsson's latest model 688 with certain modifications can be used for paying bills.

COMPANY: ERICSSON; ALCATEL; TELIA TELECOM

PRODUCT: Electronic Point of Sale Systems (3573EP); Electronic Banking Svcs (6005); Cellular Radio Equipment (3662CE);  
EVENT: Product Design & Development (33);  
COUNTRY: Sweden (5SWE);

28/5/3 (Item 3 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

06114224  
Rogers sells Maclean Hunter business forms operations  
CANADA: MBO AT ROGERS' DATA BUSINESS FORMS  
Globe & Mail (CGM) 09 Feb 1995 p.B5  
Language: ENGLISH

A management-led team has paid CA\$ 53mn for Canada's Data Business Forms, acquired as part of Maclean Hunter by Rogers Communications in March 1994. DBF, which produces and markets direct mail, security documents, labels and business forms, is the Canada's second largest business forms business. Rogers is to use the sale proceeds for general corporate purposes as well as to pay debt.

COMPANY: ROGERS COMMUNICATIONS; MACLEAN HUNTER; DATA BUSINESS FORMS

PRODUCT: Security Printing (2750SP);  
EVENT: Company Acquisitions (16); Company Mergers, Buyouts & Divestments

(15);  
COUNTRY: Canada (2CAN);

28/5/4 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

02802252 INSPEC Abstract Number: B87007919

**Title: Anonymity and recognition in telecommunication networks**  
Author(s): Glunder, G.  
Author Affiliation: Siemens AG, Munchen, West Germany  
Journal: Nachrichtentechnische Zeitschrift vol.39, no.10 p. 706,  
708-10, 713  
Publication Date: Oct. 1986 Country of Publication: West Germany  
CODEN: NAZEAA ISSN: 0027-707X  
Language: German Document Type: Journal Paper (JP)  
Treatment: General, Review (G)  
Abstract: Reports and comments on a meeting held in Dusseldorf (Germany)  
in June 1986 to discuss when the identity of a user of new  
telecommunication services may remain undisclosed and when he must be  
identified. Among discussed subjects were : the telephone caller must not  
be identified, not even by the exchange equipment, still less by the called  
number (in the USA detailed telephone bills specify the caller, in Germany  
this is forbidden); the security of industrial data; mail box services  
where **security codes** are too easily broken; video monitoring and  
recording, by the police among others; and calling for information via  
Datex. A suggestion was even made that the old-fashioned telephone service  
should coexist over a separate network with the ISDN, and the subscribers  
should be given an option to join one or the other. (0 Refs)  
Subfile: B  
Descriptors: telecommunication networks  
Identifiers: caller recognition; caller anonymity; telecommunication  
networks; telecommunication services; telephone caller; industrial data;  
mail box services; security codes; video monitoring; recording; Datex; ISDN  
Class Codes: B6210M (ISDN)

28/5/5 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2002 Info. Today Inc. All rts. reserv.

00429441 96WW07-005

**Stamp of approval -- Postal Service to postmark e-mail**  
Roberts, Bill  
WebWeek , July 8, 1996 , v2 n9 p3, 1 Page(s)  
ISSN: 1081-3071  
Company Name: U.S. Postal Service; Cylink  
Languages: English  
Document Type: Product Announcement  
Geographic Location: United States  
Announces that the U.S. Postal Service (USPS) is launching a pilot  
project this summer to test the electronic postmarking of documents sent  
over the Web. Explains that this time and date stamp will carry the full  
legal weight of the postmark on standard mail in an effort to enable  
companies to trust the Internet for business. Also reports that the USPS  
will introduce a certificate-authority service where users can take a  
public **encryption key** and register it with the **Postal Service** for  
general use on the Internet. Specifies that this service will provide three  
levels of security: simple online registration, a physical verification of  
identity, and the highest level, which requires electronic thumbprints.  
Indicates that Cylink Corp. of Sunnyvale, CA, is providing the technology  
for this latter service for the USPS based on its patented Diffie-Hellman  
public-key cryptography scheme. (jo)  
Descriptors: Electronic Mail; Cryptology; Federal Government;  
Internet  
Identifiers: U.S. Postal Service; Cylink

28/5/6 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2002 Info. Today Inc. All rts. reserv.

00252652 91IC11-005

**Superworks -- Reviews**

Gibbons, Barbara

inCider , November 1, 1991 , v9 n11 p23, 86, 2 Page(s)

ISSN: 0740-0101

Company Name: Remarkable Technologies

Product Name: SuperWorks

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): b

Hardware/Software Compatibility: IBM PC; IBM PC Compatible

Geographic Location: United States

Presents a favorable review of SuperWorks (\\$199), a version of the AppleWorks integrated software from Remarkable Technologies of Northvale, NJ (201). Runs on IBM PC or compatible machines. Says SuperWorks allows up to 20 files on the desktop, supports a mouse, can link several spreadsheets, offers 128 printer setups, permits password **protection**, creates **mailing labels**, and can import AppleWorks files; but cannot export SuperWorks files back to AppleWorks. Given a four-star rating. Includes a product summary and a screen display. (tbc)

Descriptors: Integrated Software; Conversions; Software Review

Identifiers: SuperWorks; Remarkable Technologies

28/5/7 (Item 1 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

07515731 NYT Sequence Number: 836346970428

**IT'S A NEW BRAND OF E-MAIL**

Zuckerman, Laurence

New York Times, Col. 1, Pg. 5, Sec. D

Monday April 28 1997

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

E-Stamp Corp and Pitney Bowes Inc are working on competing products to enable small businesses to use their personal computers as postage meters; Postal Service is eager for new technologies to cut losses from postage fraud and introduce new, digital system to lower mail-processing costs; will require new PC meters to generate **encrypted bar code** for **postage** to make counterfeiting harder; photos (M)

**SPECIAL FEATURES:** Photo

**COMPANY NAMES:** E-Stamp Corp; Pitney Bowes Inc; Postal Service (US)

**DESCRIPTORS:** Postal Service; Small Business; Computers and Information Systems; Frauds and Swindling; Counterfeiting; Bar Codes

**PERSONAL NAMES:** Zuckerman, Laurence

28/5/8 (Item 2 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

00703955 NYT Sequence Number: 064791760121

**Baker/Beech-Nut Corp recently mailed 760,000 flyers, 'as public service,' to mothers warning them about 'some potential dangers' of homemade baby food, including possibility of poisoning. Syracuse Consumer Affairs Dir Roberta Wieloszynski says that dept has issued formal complaint against co, charging violation of city's consumer- protection code . Co pres Frank Nicholas, Upstate Med Center pediatric dir Prof Frank A Oski and Consumers Union food div head George Pollak comment (M).)**

CERRA, FRANCES  
New York Times, Col. 7, Pg. 26  
Wednesday January 21 1976  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

COMPANY NAMES: BAKER/BEECH-NUT CORP  
DESCRIPTORS: BABY FOODS; CONSUMER PROTECTION; FOOD CONTAMINATION AND  
POISONING; POISONING AND POISONS  
PERSONAL NAMES: CERRA, FRANCES; NICHOLAS, FRANK; OSKI, FRANK A (PROF);  
POLLAK, GEORGE; WIELOSZYNSKI, ROBERTA (DIR)

28/5/9 (Item 3 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

00218269 NYT Sequence Number: 072012711031  
**Several NYC law groups and pub officials oppose part of new Fed Criminal Code they fear would be a backward step for consumer protection ; code would eliminate Fed mail fraud statute which many consumer law experts regard as most effective weapon against hard-core frauds; would replace statute with provision linking consumer fraud with theft; FTC official Richard A Givens says theft is difficult to apply in consumer cases; says another provision of code, which apparently would make it illegal for consumer group to expose shoddy sales tactic, would have 'chilling effect on freedom of expression'; others opposing consumer fraud provisions of code include Atty Gen Lefkowitz and coms of NY County Lawyers Assn and NYC Bar Assn)**

New York Times, Col. 1, Pg. 82  
Sunday October 31 1971  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

COMPANY NAMES: BAR OF THE CITY OF NY, ASSN OF THE; LAWYERS ASSN, NY COUNTY  
DESCRIPTORS: CONSUMER PROTECTION; MAIL FRAUDS  
PERSONAL NAMES: GIVENS, RICHARD A (DIR); LEFKOWITZ, LOUIS J; LICHTENSTEIN, GRACE

28/5/10 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS  
(c) 2002 NTIS, Intl Cpyrghrt All Rights Res. All rts. reserv.

1728641 NTIS Accession Number: AD-A263 338/6  
**Mail Management: Labor Programs Run by States Could Reduce Postage Costs**  
General Accounting Office, Washington, DC. General Government Div.  
Corp. Source Codes: 010682009; 412575  
Report No.: GAO/GGD-91-43  
Mar 91 8p  
Languages: English  
Journal Announcement: GRAI9315  
Report to the Chairman, Subcommittee on Federal Services, Post Office and Civil Service, Committee on Governmental Affairs, U.S. Senate.  
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.  
NTIS Prices: PC A02/MF A01  
Country of Publication: United States  
This report identifies Department of Labor opportunities to reduce postage costs through improved mail management operations at the State Employment Security Agencies (SESA). SESAs administer the federal-state unemployment insurance and the public employment service programs in each state and territory, under the broad guidance and financial support of Labor. We reviewed the SESA mail program because it was one of the most costly among civilian agencies in fiscal year 1989. SESAs incurred \$90.1 million in postage costs in fiscal year 1989. Labor could reduce its annual

mailing costs \$4.8 million by successfully encouraging SESAS to use more presorting and another \$1.9 million by successfully encouraging SESAS to include the nine-digit ZIP code on their mail. Currently, SESAS have little incentive to minimize postage costs because savings resulting from improved mail management do not benefit them directly.

Descriptors: \*Public administration; \*Postal service

Identifiers: Department of Labor; \*Cost engineering; GAO Reports; Mail management; **Mailing** costs; SESA(State Employment **Security** Agencies); Zip Codes ; NTISDODXA

Section Headings: 70F (Administration and Management--Public Administration and Government); 70B (Administration and Management--Management Practice); 43GE (Problem Solving Information for State and Local Governments--General)

30/5/1 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2002 Japan Science and Tech Corp(JST). All rts. reserv.

02339948 JICST ACCESSION NUMBER: 95A0533152 FILE SEGMENT: JICST-E

**Provably Secure IDNIKS.**

TANAKA H (1)

(1) Kobe Univ., Kobe, JPN

Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report  
(Institute of Electronics, Information and Communication Engineers),  
1995, VOL.95,NO.27(ISEC95 1-6), PAGE.17-22, REF.10

JOURNAL NUMBER: S0532BBG

UNIVERSAL DECIMAL CLASSIFICATION: 621.391.037.3

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: In this paper a new identity-based non-interactive key sharing  
scheme(IDNIKS) for **mail** -type cipher communication has been proposed.  
The center **algorithm** is very simple and easily implemented. The  
security depends on the difficulty of factoring and discrete logarithm  
problem and seems to be equivalent to the well-known RSA public-key  
cryptosystem. The proposed IDNIKS can be certified to secure against  
the considerable attacks involving user's collusion. (author abst.)

DESCRIPTORS: public key cryptography; security system; data protection;  
identification; computer **algorithm** ; factorization; **cryptography**  
**key**

BROADER DESCRIPTORS: cryptogram; system; protection; recognition;  
**algorithm** ; decomposition

CLASSIFICATION CODE(S): ND02030R

File 15:ABI/Inform(R) 1971-2002/Aug 27  
(c) 2002 ProQuest Info&Learning  
File 9:Business & Industry(R) Jul/1994-2002/Aug 26  
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File 610:Business Wire 1999-2002/Aug 27  
(c) 2002 Business Wire.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 275:Gale Group Computer DB(TM) 1983-2002/Aug 27  
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File 476:Financial Times Fulltext 1982-2002/Aug 27  
(c) 2002 Financial Times Ltd  
File 624:McGraw-Hill Publications 1985-2002/Aug 27  
(c) 2002 McGraw-Hill Co. Inc  
File 636:Gale Group Newsletter DB(TM) 1987-2002/Aug 26  
(c) 2002 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Aug 26  
(c) 2002 The Gale Group  
File 613:PR Newswire 1999-2002/Aug 27  
(c) 2002 PR Newswire Association Inc  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 16:Gale Group PROMT(R) 1990-2002/Aug 26  
(c) 2002 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 634:San Jose Mercury Jun 1985-2002/Aug 25  
(c) 2002 San Jose Mercury News  
File 148:Gale Group Trade & Industry DB 1976-2002/Aug 27  
(c)2002 The Gale Group  
File 20:Dialog Global Reporter 1997-2002/Aug 27  
(c) 2002 The Dialog Corp.

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S2	115	S1(5N)(POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E OR ELECTRONIC OR VOICE)) OR USPS OR FRANKED OR FRANKING)
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S5	1460	S1(5N)(UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR REVIS? OR EDIT OR EDITING OR EDITED OR ADAPT? OR TRANSFOR- M? OR ADJUST? OR TABULAT? OR RECONFIGUR? OR RECALCULAT? OR SU- PERSED?)
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S9	39	RD (unique items)
S10	0	(POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E OR ELEC- TRONIC OR VOICE)) OR USPS OR FRANKED OR FRANKING) AND S4 AND - S5
S11	0	S2 AND S5
S12	1021	S1(5N)(COMPUTE OR COMPUTED OR COMPUTATION? OR CALCULAT? OR ALGORITHM? OR VALUAT?)
S13	41	S12 AND (POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E OR ELECTRONIC OR VOICE)) OR USPS OR FRANKED OR FRANKING)



S14 32 S13 NOT PD>19990615  
 S15 21 RD (unique items)  
 S16 65 (S1(5N)S6) AND (DYNAMIC? OR ON(1W)FLY OR CHANG? OR SHIFT? -  
 OR UNFIXED OR ERRATIC? OR FLUCTUAT? OR WAVER? OR ASCENDING OR  
 RISING OR UPWARD? OR INCREASING OR DESCENDING OR DECREASING OR  
 FALLING OR DOWNWARD OR DROPPING OR INCONSISTENT?)  
 S17 3 S16 AND (POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E  
 OR ELECTRONIC OR VOICE)) OR USPS OR FRANKED OR FRANKING)  
 S18 66 (S1(5N)S6) AND (UPDATE? OR UP()DATE? OR ALTER??? OR MODIF?  
 OR CHANG? OR REVIS? OR EDIT OR EDITING OR EDITED OR ADAPT? OR  
 TRANSFORM? OR ADJUST? OR TABULAT? OR RECONFIGUR? OR RECALCULA-  
 T? OR SUPERSED?)  
 S19 4 S18 AND (POSTAL? OR POSTAGE OR ((MAIL?? OR MAILING) NOT (E  
 OR ELECTRONIC OR VOICE)) OR USPS OR FRANKED OR FRANKING)

9/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01348223 99-97619

**Running well**

Anonymous

Office Systems v13n8 PP: 16 Aug 1996

ISSN: 8750-3441 JRNL CODE: OFS

WORD COUNT: 527

...TEXT: papers to guild up on rollers causing equipment malfunctions and excessive downtime. Proper storage of mail center supplies protects label adhesives from being destroyed in high eat and humidity conditions. Also, examine how work flows...

9/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01310201 99-59597

**Shops join C5's returning effort**

Griffiths, Anna

Marketing PP: 8 Aug 1, 1996

ISSN: 0025-3650 JRNL CODE: MAR

WORD COUNT: 279

...TEXT: buying by TMD Carat.

Between August and September 9.6 million information packs with individual security numbers for each household will be mailed . The numbers are intended to combat impersonators and make householders feel more comfortable about letting...

9/3,K/3 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01083891 97-33285

**E-mail: Information's life in the goldfish bowl**

Romei, Lura K

Managing Office Technology v40n9 PP: 16 Sep 1995

ISSN: 1070-4051 JRNL CODE: MOP

WORD COUNT: 458

...TEXT: dates the message.

\* An equivalent to registered mail where the message is signed by the USPS private encryption key and the signature is returned to the sender.

\* Mechanisms for managing public encryption keys (privacy...

9/3,K/4 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00192307 83-03868

**Controlling Shipping Costs with Use of Packaging Tape**

Urick, James A.

Office v96n6 PP: 44, 48 Dec 1982

ISSN: 0030-0128 JRNL CODE: OFF

...ABSTRACT: in one to save postage costs. Pressure-sensitive tapes can be used to cover and protect mailing labels . An analysis of mailroom use of tape can also reduce costs by indicating whether the...

9/3,K/5 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02427561 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**BMW Drives Home a Winner**

(BMW launched a direct-mail campaign inviting prospective customers to sign up for a space in the Comparison Drive Event)

Promo, v XII, n 5, p 91

April 1999

DOCUMENT TYPE: Journal ISSN: 1047-1707 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 299

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

...vehicle being displayed. BMW professional drivers conducted demonstrations comparing the Beamer with its rivals.

Direct mail recipients got their own personal security codes providing access to BMW's Web site for registration and immediate confirmation. They were invited...

9/3,K/6 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01950065 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**AT&T, Microsoft take stakes in e-postage startup**

(Seeking to capitalize on the US Postal Service's pending shift to digital postage metering and embrace of electronic commerce, AT&T and Microsoft last week bought separate, 10 percent stakes in E-Stamp Corp)

Electronic Engineering Times, p 20

September 29, 1997

DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1162

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

...to be sure it was actually printed on April 15," Kapoor noted.

Wilkerson of the postal service confirmed that security is its "number-one issue. We don't want to repeat history and come out with meters that ...

9/3,K/7 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2002 Resp. DB Svcs. All rts. reserv.

01773253 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Java Will Get Direct Route To C/S Apps**

(A new Java interface, The Java Naming and Directory Interface, will let applications based on Java access directory information about users, network and system resources)

CommunicationsWeek, p 1+

March 17, 1997

DOCUMENT TYPE: Journal ISSN: 0748-8121 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 732

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...structures are the gateways to information about users, machines, networks and services. User information includes **security** credentials, phone **numbers**, electronic and **postal** mail addresses, and application preferences. Machine information includes network addresses and machine configurations.

"I am...

9/3,K/8 (Item 1 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0894729 BW0047

**ANGSTROM: Angstrom Technologies Inc. Announces Record Third Quarter Sales**

August 17, 1998

Byline: Business Editors

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting.

This press release contains certain forward-looking statements within the meaning of the Securities...

9/3,K/9 (Item 2 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0866071 BW1336

**ANGSTROM TECHNOLOGIES: Angstrom Technologies, Inc. Announces Record Second Quarter Sales and Receipt of Two Additional Patents**

June 15, 1998

Byline: Business Editors

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting.

This press release contains certain forward-looking statements within the meaning of the Securities...

9/3,K/10 (Item 3 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0749219 BW0113

**CERTICOM: Pitney Bowes Licenses the Certicom Elliptic Curve Engine to Secure Postal Metering Application; Unique Secure Electronic Commerce Application Meets Special Needs of Small Office/Home Office**

September 23, 1997

Byline: Business Editors & Computer Writers

...postage rather than traditional meters.

"This is a new way of doing business for the **USPS** and **security** is a **key** element to the program's deployment," said Roy Gordon, Metering Technology Management, United States Postal...

9/3,K/11 (Item 4 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0746604 BW0203

**ANGSTROM TECHNOLOGIES: Angstrom Technologies Announces Continuation of  
Record Sales**

September 16, 1997

Byline: Business Editors

...label verification, quality control, inspection,  
alignment, adhesive tracing, safety seal verification, sorting,  
automatic identification, passport **security** and **postal label** sorting.

This press release contains certain forward looking statements  
within the meaning of Section 27A...

9/3,K/12 (Item 5 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0722050 BW1094

**PITNEY BOWES: Pitney Bowes Wins Five Design Awards**

July 10, 1997

Byline: Business Editors

...call. The system also prints 10  
envelopes per minute, resets the date automatically and protects  
**postage** funds with PIN **security** access **numbers** . And finally, new  
technologies like digital printing ensure that this meter will meet  
both USPS...

9/3,K/13 (Item 6 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0714527 BW1308

**ANGSTROM TECHNOLOGIES: Angstrom Technologies announces increased sales and  
first profitable consecutive fiscal quarters in its history**

June 17, 1997

Byline: Business Editors

...label verification, quality  
control, inspection, alignment, adhesive tracing, safety seal  
verification, sorting, automatic identification, passport **security**  
and **postal label** sorting.

This press release contains certain forward looking statements  
within the meaning of Section 27A...

9/3,K/14 (Item 7 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0685841 BW1013

HOME OFFICE US POSTAL SVC: The Postal Service asks for help from home office users

March 31, 1997

Byline: Business Editors

...users. All data must be in before May 5.

According to HOAA chairman, Richard Ekstract, **security** is the **number** one concern of the **Postal** Service in anticipating the change over to what's known as the Information Based Indicia...

9/3,K/15 (Item 8 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0681806 BW1276

ANGSTROM TECHNOLOGIES: Angstrom Technologies announces record first quarter sales

March 17, 1997

Byline: Business Editors

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting. In addition to the foregoing applications, the company also markets applications in the document...

9/3,K/16 (Item 9 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0679245 BW0020

SUN MICRO JAVASOFT: Sun Microsystems, Inc. Introduces Java Naming and Directory Interface API; Industry Leaders Contribute to the Specification for JNDI

March 10, 1997

Byline: Business Editors/Computer Writers

...to access information about users, machines, networks, and services can utilize JNDI. User information includes **security** credentials, phone **numbers**, electronic and **postal** mail addresses, and application preferences. Machine information includes network addresses, machine configurations, etc. In addition...

9/3,K/17 (Item 10 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0666945 BW1330

ANGSTROM TECHNOLOGIES: Angstrom Technologies announces results of operations for fiscal year ending Oct. 31, 1996 and strong first quarter of current year

January 29, 1997

Byline: Business Editors

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting. The company has also produced applications in the document verification and security field, such...

9/3,K/18 (Item 11 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0652922 BW1110

**ANGSTROM TECH: Angstrom Technologies, Inc. Announces Receipt Of New Contract Respecting Post Office Certified Mail And Issuance Of Additional Patent**

December 10, 1996

Byline: Business Editors

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting. The Company has also produced applications in the document verification and security field, such...

9/3,K/19 (Item 12 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0624563 BW1260

**ANGSTROM TECHNOLOGIES: Angstrom Technologies announces third quarter and nine months results**

September 18, 1996

Byline: Business Editors

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting. In addition to the foregoing applications, the company also intends to develop and sell...

9/3,K/20 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02055879 SUPPLIER NUMBER: 19227330 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Entegrity delivers secure modules. (Entegrity Solutions' Security Development Platform for secure online transactions) (Company Business and Marketing) (Brief Article)**  
Zeichick, Alan  
LAN Magazine, v12, n4, p18(1)  
April, 1997  
DOCUMENT TYPE: Brief Article ISSN: 1069-5621 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 386 LINE COUNT: 00036

... and servers (currently only HP-UX) to handle such functions as

interfacing with SmartCards, generating **cryptographic keys**, creating and verifying privacy-enhanced **mail** and Secure/Multipurpose Internet Mail Extensions (S/MIME) documents, and requesting and verifying X.509...

9/3,K/21 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

03676446 Supplier Number: 47924419 (USE FORMAT 7 FOR FULLTEXT)  
**DOE COMPLEX**  
Nuclear Waste News, v17, n33, pN/A  
August 21, 1997  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 265

... complies with federal standards for transuranic waste disposal (40 CFR 191). Contact: Scott Monroe, Radiation **Protection** Division, **Mail Code** 6602J, U.S. Environmental Protection Agency, Washington, DC 20460; (202) 233-9310.

COPYRIGHT 1997 BUSINESS...

9/3,K/22 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

03497915 Supplier Number: 47218080 (USE FORMAT 7 FOR FULLTEXT)  
**JAVA: Sun Microsystems, Inc. Introduces Java Naming and Directory Interface API; Industry Leaders Contribute to the Specification for JNDI**  
EDGE: Work-Group Computing Report, pN/A  
March 17, 1997  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 612

... to access information about users, machines, networks, and services can utilize JNDI. User information includes **security** credentials, phone **numbers**, electronic and **postal** mail addresses, and application preferences. Machine information includes network addresses, machine configurations, etc. In addition...

9/3,K/23 (Item 3 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02430002 Supplier Number: 44834501 (USE FORMAT 7 FOR FULLTEXT)  
**WATER COMPANY USES PERIPHONICS' IVR TO SIMPLIFY BILLING PROCEDURES**  
Voice Technology News, v6, n14, pN/A  
July 12, 1994  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 395

Each billing cycle SCWA customers will receive a card in the **mail** contain-ing a **security code** and instructions on how to read their water meters and use Read-H20. SCWA intends...

9/3,K/24 (Item 4 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02109445 Supplier Number: 43910535 (USE FORMAT 7 FOR FULLTEXT)  
**EPA to slash number of contractors**  
Superfund Week, v7, n24, pN/A



June 18, 1993  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1455

... a written request to Jewel Carter, Contracting Officer, Office of Acquisition Management, U.S. Environmental Protection Agency, Mail code PM-214F, 401 M St. S.W., Washington, D.C. 20460. Her telephone is 202 ...

9/3,K/25 (Item 5 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02008890 Supplier Number: 43623182 (USE FORMAT 7 FOR FULLTEXT)  
**EPA CO2-Monitoring Regulations Go Into Effect**  
Energy Economics & Climate Change, v3, n2, pN/A  
Feb 1, 1993  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 585

... Contact Andy DuPont, Continuous Emissions Monitoring Section, Source Assessment Branch, Acid Rain Division, US Environmental Protection Agency, Mail Code 6204J, 401 M Street SW, Washington, DC 20460, USA. Tel: +1 202 233 9092; Fax...

9/3,K/26 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2002 The Gale Group. All rts. reserv.

01580217 Supplier Number: 48054328 (USE FORMAT 7 FOR FULLTEXT)  
**Moore Announces Alliance With Angstrom Technologies**  
PR Newswire, p1015NEW020  
Oct 15, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 538

... by the pharmaceutical and automobile parts manufacturing industries, including label verification, sorting, automatic identification, passport security and postal label sorting.

SOURCE Moore U.S.A. Inc.

-0- 10/15/97  
/CONTACT: Terrie Stengel of...

9/3,K/27 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2002 The Gale Group. All rts. reserv.

01349941 Supplier Number: 46164657 (USE FORMAT 7 FOR FULLTEXT)  
**ANGSTROM TECHNOLOGIES, INC. ANNOUNCES RESULTS OF OPERATIONS FOR FISCAL YEAR ENDING OCTOBER 31, 1995**  
PR Newswire, p0221NYW071  
Feb 21, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 463

... label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport security and postal label sorting. In addition to the foregoing applications, the Company also intends to develop

and sell...

9/3,K/28 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0884007 NYHFNS12  
PREPARE HOLIDAY GIFTS FOR THE LONG HAUL

DATE: November 16, 1995 06:37 EST WORD COUNT: 555

...able to withstand bumps, stacking and a 4-foot drop. If properly packaged with a **protected mailing label**, gifts should arrive intact.

Careful preparation of holiday gifts will go a long way in...

9/3,K/29 (Item 2 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0848203 NY068  
ANGSTROM TECHNOLOGIES, INC. ANNOUNCES RECORD THIRD QUARTER AND NINE MONTH PRELIMINARY REVENUES

DATE: August 7, 1995 12:37 EDT WORD COUNT: 376

...label verification, quality control, inspection, alignment, adhesive tracing, safety seal verification, sorting, automatic identification, passport **security** and **postal label** sorting. In addition to the foregoing applications, the company also intends to develop and sell...

9/3,K/30 (Item 3 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0686902 SF010  
U.S. EPA ANNOUNCES PUBLIC MEETING ON "GREEN" TECHNOLOGY STRATEGY

DATE: March 21, 1994 16:33 EST WORD COUNT: 303

...comments should be mailed to:

Brendan Doyle  
Strategy Committee  
Innovative Technology Council

U.S. Environmental Protection Agency, Mail Code 2127  
401 M St. SW  
Washington, D. C. 20460

9/3,K/31 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

07383738 Supplier Number: 61414681 (USE FORMAT 7 FOR FULLTEXT)  
**Coin/Currency Handling Equipment.**  
Bank Systems + Technology, pl6  
Annual, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1543

... Block and Company offers a wide variety of Coin and Currency Handling equipment. In addition, **Security** Writing Instruments, **Key** Cabinets, Courier Bags, **Mail** Bags, Custom Bags, Custom Signage, Bulletin Boards, and Traffic Control Systems are available for prompt...

9/3,K/32 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

06251837 Supplier Number: 54284882 (USE FORMAT 7 FOR FULLTEXT)  
**International; BMW Drives Home a Winner.(Company Business and Marketing)**  
Promo,. pNA  
April, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 297

... vehicle being displayed. BMW professional drivers conducted demonstrations comparing the Beamer with its rivals.

Direct **mail** recipients got their own personal **security codes** providing access to BMW's Web site for registration and immediate confirmation. They were invited...

9/3,K/33 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

06226314 Supplier Number: 54240950  
**Royal Mail posts key to net security .(public key infrastructure)**  
Soane, Angela  
Computing, p22(1)  
March 25, 1999  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

**Royal Mail posts key to net security .(public key infrastructure)**

9/3,K/34 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

05257090 Supplier Number: 48011446 (USE FORMAT 7 FOR FULLTEXT)  
**AT&T, Microsoft take stakes in e-postage startup**  
Costlow, Terry  
Electronic Engineering Times, p20  
Sept 29, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1176

... to be sure it was actually printed on April 15," Kapoor noted.

Wilkerson of the **postal** service confirmed that **security** is its "**number** -one issue. We don't want to repeat history and come out with meters that...

9/3,K/35 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

04906548 Supplier Number: 47214727 (USE FORMAT 7 FOR FULLTEXT)  
**Java Will Get Direct Route To C/S Apps**  
Fisher, Sharon; Marshall, Martin  
CommunicationsWeek, p1

March 17, 1997  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 732

... structures are the gateways to information about users, machines, networks and services. User information includes **security** credentials, phone **numbers**, electronic and **postal** mail addresses, and application preferences. Machine information includes network addresses and machine configurations.

"I am...

9/3,K/36 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

03347589 Supplier Number: 44636353 (USE FORMAT 7 FOR FULLTEXT)  
**Botched Promotion Raises Awareness of Calling Cards, Ire of Consumers**  
Promo, v0, n0, p19  
May, 1994  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 228

... from the start because it created the potential for fraud by disclosing customers' confidential personal **security numbers** (PINs) in the direct **mail** pitches that launched the promotion. PINs enable customers to charge calls and are usually sent...

9/3,K/37 (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

01263728 Supplier Number: 41469699  
**Eliminate Dedicated Fax Lines**  
Dealerscope Merchandising, p29  
August, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...The TF555 unit features a variety of user-programmable features, such as screening fax junk **mail**, port **security codes**, phantom ring-back options, nighttime fax handling and line clear notification.

...

9/3,K/38 (Item 8 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

01182395 Supplier Number: 41352199  
**Princeton Network Company Sells LANs to DLA**  
Government Computer News, p104  
May 28, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Tabloid; Trade

ABSTRACT:

...4 channels, each a radio frequency. Network devices using the same frequency are networked and **security codes** protect data traffic. Printers and **mail** messages can be shared, but some features such as file servers are lacking.

...

9/3,K/39 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

05564507

**French operators launch mobile 'phones for children (Les operateurs lancent des portables pour enfants)**

SECTION TITLE: Supplement

LE FIGARO

May 29, 1999

JOURNAL CODE: WLEF LANGUAGE: French RECORD TYPE: ABSTRACT

WORD COUNT: 148

... 1999) onwards, SFR will offer its existing subscribers a child's mobile 'phone - complete with **security code** - for FFr390 by **mail** order. The 'phone, which is aimed at 10 to 14 year-olds, will be made...

15/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01780691 04-31682  
**Microsoft struggles to gain C2 respect**  
Messmer, Ellen  
Network World v16n8 PP: 16 Feb 22, 1999  
ISSN: 0887-7661 JRNL CODE: NWW  
WORD COUNT: 463

...TEXT: done in June at the latest," Garmes says.

A Level 1 rating shows that the **crypto algorithms** and **key** management are working correctly. But this type of review doesn't examine the role the ...

...1 compliant.

In addition, Microsoft will create a FIPS 140-1 version of its Outlook **mail** client so that the Secure Multi-purpose Internet **Mail** Extensions piece of Outlook can take advantage of the Level 1 crypto-modules.

"Level 1...

15/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01612395 02-63384  
**Shopping in cyberspace**  
Lombardi, Rosie  
CA Magazine v131n3 PP: 35-36 Apr 1998  
ISSN: 0317-6878 JRNL CODE: CCA  
WORD COUNT: 1660

...ABSTRACT: which comes equipped with its own set of overhead projections. The current basis of Internet **security** is public **key** cryptography, which uses an **algorithm** to encrypt and decrypt data during transmission, thus preventing interception by unauthorized parties. This system...

...TEXT: as the Internet, transactions must be secured via technical means. The current basis of Internet **security** is public **key** cryptography, which uses an **algorithm** (or **key**) to encrypt and decrypt data during transmission, thus preventing interception by unauthorized parties...have already emerged, including VeriSign, GTE Corp., IBM, Northern Telecom, BBN Corp. and the US **Postal** Service. In addition, the AICPA and the CICA, in partnership with VeriSign Inc., recently developed...

15/3,K/3 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00843927 94-93319  
**HP plugs international encryption**  
Anthes, Gary H  
Computerworld v28n14 PP: 61-62 Apr 4, 1994  
ISSN: 0010-4841 JRNL CODE: COW  
WORD COUNT: 682

...ABSTRACT: HP's proposal each participating country would sell to domestic users a National FlagCard - a **postage** -stamp-sized smart card containing integrated circuits that enforce the nation's cryptography policy. ...

...TEXT: privacy board, each participating country would sell to domestic users a National Flag Card--a **postage** -stamp-size smart card containing integrated circuits that enforce the nation's cryptography policy.

For...

...forbid the use of certain encryption algorithms or limit the permissible strength--as determined by **encryption key** length--of those **algorithms**. The flag cards would probably cost between \$2 and \$12 and could be sold at...

15/3,K/4 (Item 1 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0689984 BW1186

**COUNSEL CONNECT: Counsel Connect and Pretty Good Privacy, Inc. provide public-key encryption for legal community**

April 10, 1997

Byline: Business & Legal Editors

...global Internet. With millions of users, PGP has become the de facto standard for Internet **mail** encryption. In order to provide only the strongest encryption software, Pretty Good Privacy publishes all of its **encryption source code** and **algorithms** for extensive peer review and public scrutiny. The company can be reached at 415.572...

15/3,K/5 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02112561 SUPPLIER NUMBER: 19907957 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**How to practice safe browsing. (Web Security) (Internet/Web/Online Service Information)**  
Windows Sources, v4, n11, p172(4)  
Nov, 1997  
ISSN: 1065-9641 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 976 LINE COUNT: 00080

... the threats you face and the technologies out there to combat them. Security software uses **algorithms** and **cipher codes** to convert readable data into a jumble of characters. To convert the data back to...

...RSA) is the leading CA, though AT&T, BBN, GTE, Thawte, and the U.S. **Postal** Service are also players in this arena. Not only can a company obtain certificates from...

15/3,K/6 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

02069436 SUPPLIER NUMBER: 19414140 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Electronic commerce. (Technology Information)**  
Giles, Roosevelt  
Network VAR, v5, n5, p26(7)  
May, 1997  
ISSN: 1082-8818 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 5838 LINE COUNT: 00478

... Protocol, allows the server and client to authenticate each other and to negotiate an encryption **algorithm** and **cryptographic keys** before the application protocol transmits or receives its first byte of data. One advantage of...through an automated telephone call (so buyers can supply their credit card numbers) or through **postal** mail (so sellers can

provide their bank account information). However, it also would be possible  
...

15/3,K/7 (Item 3 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01742159 SUPPLIER NUMBER: 16231471 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
How would you like to pay for that? A guide to digital cash and carry  
technology. (Mediascape)  
Somogyi, Stephan  
Digital Media, v4, n7, p13(5)  
Dec 5, 1994  
ISSN: 1056-7038 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3345 LINE COUNT: 00260

... it allows the use of the old business encryption standard, DES, as  
well as RSA encryption algorithms .

A key issue is NetScape's use of RSA algorithms that can be used in  
a variant...

...The interception of identifiers by thieves when they are delivered to  
consumers, either through the postal service or over networks, lead to  
large amounts of fraud. Finally, software-only systems allow...

15/3,K/8 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01418607 SUPPLIER NUMBER: 09394254 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Prospects for Electronic Data Interchange: the full value of EDI will be  
realized when certain information infrastructure are in place.  
Cerf, Vinton G.  
Telecommunications, v25, n1, p57(4)  
Jan, 1991  
ISSN: 0278-4831 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3772 LINE COUNT: 00309

... address should appear. The options are:  
\* G S O P A C (Advantage: More like postal addresses, with the  
smallest unit first.)  
\* C A P O S G (Advantage: No problem...

...If public key cryptography is used to support authenticity ("digital  
signatures") and to support exchange cryptographic keys for symmetric  
algorithms , such as the Data Encryption Standard developed by the National  
Institute of Standards and Technology...

15/3,K/9 (Item 5 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01153675 SUPPLIER NUMBER: 00623501 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
3 Products Help Cork Computer Leaks: Feature Blocked Access, Disk-File  
Encryption.  
Rosch, W.L.  
PC Week, v2, n18, p122-124  
May 7, 1985  
DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1768 LINE COUNT: 00135

...ABSTRACT: a master id and a user id. It also includes 'stop-disk' for  
floppy disk protection . Phasor Code 1000 (\$249) uses a DES algorithm  
to encrypt disk files. It requires separate keys to encode and decode



files. It codes...

... through most ordinary communications systems, such as electronic mail, but also through the U.S. **Postal** Service. You can even embed encoded messages inside plain text.

For the utmost in security...

**15/3,K/10 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2002 The Gale Group. All rts. reserv.

02360378 Supplier Number: 44638317 (USE FORMAT 7 FOR FULLTEXT)

**Will Clipper travel overseas?**

Computer Fraud & Security Bulletin, pN/A

May, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 288

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...European countries as having already reached the post-Clipper stage. The need to register encryption **algorithms** and **encryption keys** is what is objected to by many Clipper opponents. President Clinton, unlike the Queen, does not have the right under law to read anyone's **mail**. Although some governments do not enforce their laws, they nonetheless reserve to do this when...

**15/3,K/11 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2002 The Gale Group. All rts. reserv.

02334383 Supplier Number: 44560889 (USE FORMAT 7 FOR FULLTEXT)

**US DoD TO TEST NEW E-MAIL SECURITY PRODUCTS**

Computer Fraud & Security Bulletin, pN/A

April, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1606

... repudiation and confidentiality.

"Embedded in the Crypto Cards is a chipset with NSA's Capstone **algorithm** for public-key **encryption**, **key** material and user credentials. Like the Skipjack private-key algorithm in the Clinton administration-

supported...Microsoft Mail, SunMail and other commercial E-mail packages. Authentication under Mosaic envisages the US **Postal** Service acting as the Certificate Manager for non-military electronic mail communications in the United...

**15/3,K/12 (Item 1 from file: 621)**

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2002 The Gale Group. All rts. reserv.

01833650 Supplier Number: 54191688 (USE FORMAT 7 FOR FULLTEXT)

**CyPost Commences Development of Navaho Lock Office Edition.**

Business Wire, p1113

March 24, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 301

... based on public/private key cryptography, administrative control, improved functionality within networked environments, additional group-**mail** enhancements, contact import/export functionality, and integration with popular business applications.

Navaho Lock Office Edition...

...allowing users to secure all files, folders, and directories instantly, and 3) a variety of **encryption algorithms** and **key** lengths including 40-bit, 56-bit, 112-bit, 128-bit, and 168-bit.

CyPost products...

15/3,K/13 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2002 The Gale Group. All rts. reserv.

01590233 Supplier Number: 48156122 (USE FORMAT 7 FOR FULLTEXT)

**Equitrac Corporation to Market Tumbleweed(R) Software's Posta Solution**

PR Newswire, pl201FLM012

Dec 1, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 647

... Corporation, a pioneer in secure Internet document delivery, today announced that Equitrac will market Tumbleweed **Postal** (TM), a secure Internet solution for business users to deliver and track important documents outside...

...mail address, select a document to send and specify the desired security options, including password **protection**, authentication, private **key** encryption, and sophisticated **algorithms**.

Posta enables users to track documents during every step of the delivery process, verifying when...

15/3,K/14 (Item 3 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2002 The Gale Group. All rts. reserv.

01201304 Supplier Number: 43286467 (USE FORMAT 7 FOR FULLTEXT)

**END-TO-END ENCRYPTION AVAILABLE IN RACAL-DATACOM (TM) DATACRYPTOR (R) 64E**

News Release, pl

Sept 8, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 574

... 1601 North Harrison Parkway

Sunrise, FL 33323-2899

305/846-1601

Fax: 305-846-3935

**Mailing address:**

P. O. Box 407044

Fort Lauderdale, FL 33340-7044

Editorial contact: Jack Hillhouse

305...

...line includes government (Federal Standard 1027) and commercial encryption-decryption units using OES or proprietary **encryption algorithms** and **Key** Management Center.

Racal-Datcom is a leading independent provider of data communications products, systems and...

15/3,K/15 (Item 1 from file: 813)

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

1122382

SFW035

**Pretty Good Privacy Announces Availability of New Personal Privacy Freeware**

DATE: July 9, 1997

14:11 EDT

WORD COUNT: 1,305

... on a Windows machine automatically looks up unknown public keys during the process of sending **mail** and will post the new public key to the sender's public key ring. On... since become the world leader in email encryption and the de facto standard for Internet **mail** encryption. Over one half of the Fortune 100 companies use PGP. In order to provide only the strongest encryption software, Pretty Good Privacy publishes all of its **encryption** source code and **algorithms** for extensive peer review and public scrutiny. The company can be reached at 415.572...

15/3,K/16 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2002 The Gale Group. All rts. reserv.

04153488 Supplier Number: 46064527 (USE FORMAT 7 FOR FULLTEXT)

**Can You Trust Web Transactions?; Digital signatures and other security measures can't prevent crime-but they can deter it**

CommunicationsWeek, p41

Jan 15, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1751

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...where only the all-important password guaranteed entrance. Now, we devise strings of numbers, derived **algorithmically**, to serve as sophisticated electronic **encryption** codes to bar cyberthiefs from stealing our businesses right off the network.

... The committee members include electronic-commerce lawyers, private industry representatives, bankers and the U.S. **Postal** Service. The **Postal** Service is vying to be a third-party vendor that assigns and manages these signatures...

15/3,K/17 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2002 The Gale Group. All rts. reserv.

08604878 SUPPLIER NUMBER: 18173952 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**A puzzle even the codebreakers have trouble solving: a clash of interests over the electronic encryption standard.**

Flynn, Sean M.

Law and Policy in International Business, 27, n1, 217-246

Fall, 1995

ISSN: 0023-9208

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 16460 LINE COUNT: 01335

... are emerging as competing standards.(133) Second, potential users are concerned about privacy and the **security** of **key** escrow and of a classified **algorithm**.(134) Finally, technological uncertainty may cause firms to wait and see which standard emerges as...When the user transmitted a message, the card would stamp the message, much like a **postage** stamp.(180) By examining the stamped message, the government could determine how the message was...

15/3,K/18 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2002 The Gale Group. All rts. reserv.

08405519 SUPPLIER NUMBER: 17822739 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Can you trust Web transactions? (includes related articles on security**

software, service providers and technical issues) (Technology Information)

Connor, Louis

CommunicationsWeek, n592, p41(3)

Jan 15, 1996

ISSN: 0746-8121 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3402 LINE COUNT: 00286

... where only the all-important password guaranteed entrance. Now, we devise strings of numbers, derived **algorithmically**, to serve as sophisticated electronic **encryption codes** to bar cyberthiefs from stealing our businesses right off the network.

Public- and private-key...

...The committee members include electronic-commerce lawyers, private industry representatives, bankers and the U.S. **Postal Service**. The **Postal Service** is vying to be a third-party vendor that assigns and manages these signatures...

15/3,K/19 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2002 The Gale Group. All rts. reserv.

08009594 SUPPLIER NUMBER: 16742320 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Web's commercial progress is slow. (Internet's World Wide Web)**

Levitt, Jason

InformationWeek, n521, p59(2)

April 3, 1995

ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 879 LINE COUNT: 00078

... exchange of encryption keys.

While both SSL and S-HTTP can negotiate different types of **encryption algorithms** and **key** authentication schemes, Netscape and Enterprise Integration Technology (EIT) both have licensed RSA Data Security's...

...security than SSL or S-HTTP can offer, such as extensive use of Privacy-Enhanced **Mail**, <http://ds.internic.net/rfc/rfc1421.txt>.

Application Gateways

Another important aspect of Web server...

15/3,K/20 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2002 The Gale Group. All rts. reserv.

07931394 SUPPLIER NUMBER: 16992209 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**FORTEZZA - the Pentagon plugs into PCMCIA-based data encryption; encryption tokens packaged as PC Cards form the cornerstone of the DOD's public key encryption strategy for securing Sensitive but Unclassified e-mail.**

(Personal Computer Memory Card International Association) (includes related information on reader/writer configuration, a list of encryption card manufactures and a partial list of government contracts requiring PC Card slots) (Data Systems Security Supplement)

Parrish, Tom

Defense Electronics, v27, n6, p55(3)

June, 1995

ISSN: 0278-3479 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2022 LINE COUNT: 00187

... the Fortezza (Italian for "fortress") card utilizes the controversial Capstone chip which embeds the Skipjack **encryption algorithm**.

Public Key Cryptography

Fortezza encryption devices, as do many tokens targeted for commercial electronic commerce applications, utilize...include the GSA, Treasury Dept, IRS, NASA, FBI, BATF, ARPA, Commerce and the U.S. **Postal Service**. In many

cases, the prospect of removable storage contained on either on a PCMCIA...

15/3,K/21 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

01567712 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Keeper of the keyhole : Phil Zimmermann took on the US Government, and won.**

**Bill O'Neill meets the campaigner turned salesman**

BILL O'NEILL

GUARDIAN

May 07, 1998

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1049

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... widely deployed.' A person's privacy is precious, he insists: 'People already enjoyed privacy with **postal** mail, and face-to-face conversations.' But advances in technology meant that 'if they cannot...

... bracket. It's true, he admits, that the NSA could have cracked the software's **algorithms**, which determine how the **encryption keys** are generated, and not told anyone. However, he adds, 'their behaviour is consistent with behaviour..

17/3,K/1 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01620631 SUPPLIER NUMBER: 14442268 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**AT&T Business Communications Services: AT&T-BCS major offerings. (Outbound Business Services, Outbound Network Services, Custom Agreements, Combo Plans, Inbound Services, Inbound Applications, Data Communications Services)**

EDGE, on & about AT&T, v8, n270, p47(1)  
Sept 27, 1993  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 6019 LINE COUNT: 00513

... and the AT&T network, or between the customer's location and a local ex **change** carrier's switch.

AT&T MEGACOM OPTIMUM SERVICE is an all-inclusive package that includes ...seven-day-per week facilities alarm surveillance, as well as monthly network reviews for key **changes** in network traffic. SDN Assurity is provided without additional charge to all SDN customers.  
SDN...

...includes a minimum charge. Rates for VTNS are stabilized and can be distance-sensitive or **postalized**, sensitive to time-of-day, or otherwise developed to suit customers' as specified in each...network, as well as load balance phone traffic across multiple call centers by implementing routing **changes**. Management and control is provided by PC or workstation. Applications include dealer locator service, ACD...live or recorded two way service. AT&T Vari-A-Bill Service allows sponsors to **change** the rate callers are charged during each individual call.

AT&T MULTIQUEST Express900 - allows for...

...T teleconference specialist at 1-800-232-1111, and is given an 800 number plus **two** 6- **digit** conference **security** access **codes**, one for the host and one for participants. At the time of the call the...

17/3,K/2 (Item 2 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01356099 SUPPLIER NUMBER: 08362022 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Voice processing: more than just lip service? (includes a related article on Chase Manhattan Bank's Pay-by-Phone service)**

Hellauer, Brian  
Computers in Banking, v7, n4, p24(6)  
April, 1990

ISSN: 0742-6496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3043 LINE COUNT: 00238

...ABSTRACT: with over \$5 million in assets offer some form of voice processing services. Banks are **increasing** the use of voice processing systems, adding features to existing systems as the systems improve...

... Bank, earlier this year overhauled its Pay-By-Phone service, extending the hours of availability, **increasing** the number of businesses that can be paid electronically, and boosting marketing efforts. (See sidebar...branches in their region with a single call. Cox says the messages typically contain rate **change** information or a warning about bad checks circulating area. "We've also upgraded the system so the vice presidents can **change** the broadcast list from their telephone. Previously, they had to request technical support," he says...

...and let them know exactly what they will expect," he says. Dyer adds that the **double** ID **numbers** are necessary to ensure **security**, and all **numbers** are encrypted once they enter the system. Transactions are batched and then handled electronically within...consumer." This will require better marketing than banks have done in the past. But with **postal** rates **rising** yet again, and a generation of PC users and Nintendo players ready

to become banking...

17/3,K/3 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

06718978 SUPPLIER NUMBER: 14442268 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
AT&T Business Communications Services: AT&T-BCS major offerings. (Outbound  
Business Services, Outbound Network Services, Custom Agreements, Combo  
Plans, Inbound Services, Inbound Applications, Data Communications  
Services)  
EDGE, on & about AT&T, v8, n270, p47(1)  
Sept 27, 1993  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 6019 LINE COUNT: 00513

... and the AT&T network, or between the customer's location and a  
local ex **change** carrier's switch.

AT&T MEGACOM OPTIMUM SERVICE is an all-inclusive package that includes  
...seven-day-per week facilities alarm surveillance, as well as monthly  
network reviews for key **changes** in network traffic. SDN Assurity is  
provided without additional charge to all SDN customers.  
SDN...

...includes a minimum charge. Rates for VTNS are stabilized and can be  
distance-sensitive or **postalized**, sensitive to time-of-day, or otherwise  
developed to suit customers' as specified in each...network, as well as  
load balance phone traffic across multiple call centers by implementing  
routing **changes**. Management and control is provided by PC or workstation.  
Applications include dealer locator service, ACD...live or recorded two way  
service. AT&T Vari-A-Bill Service allows sponsors to **change** the rate  
callers are charged during each individual call.

AT&T MULTIQUEST Express900 - allows for...

...T teleconference specialist at 1-800-232-1111, and is given an 800  
number plus **two** 6- **digit** conference **security** access **codes**, one for  
the host and one for participants. At the time of the call the...

19/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01620631 SUPPLIER NUMBER: 14442268 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
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EDGE, on & about AT&T, v8, n270, p47(1)  
Sept 27, 1993  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
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19/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01356099 SUPPLIER NUMBER: 08362022 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
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April, 1990

ISSN: 0742-6496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3043 LINE COUNT: 00238

... branches in their region with a single call. Cox says the messages typically contain rate **change** information or a warning about bad checks circulating area. "We've also upgraded the system so the vice presidents can **change** the broadcast list from their telephone. Previously, they had to request technical support," he says...

...use the system to place orders with the bank's in-house travel agency or **update** information for the benefit enrollment plan. Customers or employees who are involved in retirement plans administered by Security Pacific can call in to **update** or receive information about their programs as well. Cox says SPAC also plans to use...

...and let them know exactly what they will expect," he says. Dyer adds that the **double** ID **numbers** are necessary to ensure **security**, and all **numbers** are encrypted once they enter the system. Transactions are batched and then handled electronically within...consumer." This will require better marketing than banks have done in the past. But with **postal** rates rising yet again, and a generation of PC users and Nintendo players ready to...



19/3,K/3 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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02643929 Supplier Number: 43520512 (USE FORMAT 7 FOR FULLTEXT)  
**Security Experts: Encryption Is Best**  
CommunicationsWeek, p48  
Dec 14, 1992  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 487

... according to observers. The Internet community, for example, is developing a standard for privacy-enhanced **mail**, and the next version of the popular Simple Network Management Protocol will incorporate security features...

...the one who you claim to be; third, to prove that something hasn't been altered.'

There are two basic types of encryption: private-key and public-key. With private-key...

...Stanford University, Stanford, Calif.

Hellman is a co-inventor of the other major type of **encryption**, public-**key**. That method uses **two numbers** related by a mathematical function, one of which encrypts messages and the other of which...

...two 100-digit prime numbers.

RSA, Redwood City, Calif., sells a PC file-encryption product, **Mail Safe**, for \$125, but its primary business is licensing technology to other companies, said Jim...

19/3,K/4 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

06718978 SUPPLIER NUMBER: 14442268 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**AT&T Business Communications Services: AT&T-BCS major offerings. (Outbound Business Services, Outbound Network Services, Custom Agreements, Combo Plans, Inbound Services, Inbound Applications, Data Communications Services)**  
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number plus two 6- digit conference security access codes , one for the host and one for participants. At the time of the call the...